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OM protein - protein search, using sw model

Run on: September 15, 2004, 14:30:49 ; Search time 9.13305 Seconds

(without alignments)
667.149 Million cell updates/sec

Title: US-10-000-039A-3

Perfect score: 103

Sequence: 1 DPEFTEPVNYSICKSPDS 19

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1335176 seqs, 320689617 residues

Total number of hits satisfying chosen parameters: 1335176

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :
Published Applications AA:*
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17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	103	100.0	19	14	US-10-000-039-3
2	103	100.0	340	12	US-10-217-155A-17
3	103	100.0	340	15	US-10-217-574-17
4	103	100.0	340	15	US-10-217-555-17
5	103	100.0	388	15	US-10-131-410-104
6	103	100.0	407	14	US-10-067-977-4
7	103	100.0	431	9	US-09-810-808-5
8	103	100.0	431	9	US-09-981-353-7
9	103	100.0	431	12	US-10-403-161-2
10	103	100.0	431	12	US-10-403-161-4
11	103	100.0	431	15	US-10-000-039-2
12	103	100.0	431	15	US-10-353-690-12
13	103	100.0	445	14	US-10-067-977-2
14	103	100.0	526	15	US-10-094-749-1861
15	95	92.2	430	9	US-09-810-808-9

16	64	62.1	367	9	US-09-971-118-2	Sequence 2, Appl1
17	64	62.1	367	12	US-10-221-278-256	Sequence 256, App
18	64	62.1	367	12	US-10-380-235-6	Sequence 6, Appl1
19	64	62.1	367	15	US-10-291-172-256	Sequence 256, Appl
20	64	62.1	367	16	US-10-429-160-52	Sequence 52, Appl1
21	64	62.1	367	16	US-10-296-115-1109	Sequence 1109, App
22	64	62.1	367	16	US-10-262-511-140	Sequence 140, App
23	64	62.1	367	16	US-10-188-833-167	Sequence 167, App
24	46	44.7	93	6	US-10-767-701-50841	Sequence 50841, A
25	46	44.7	93	16	US-09-925-300-1638	Sequence 1638, App
26	46	44.7	142	10	US-09-764-891-3889	Sequence 3889, App
27	46	44.7	403	14	US-10-032-585-7081	Sequence 7081, App
28	46	44.7	506	15	US-10-369-493-2253	Sequence 2253, App
29	45.5	44.2	632	15	US-10-108-260A-3548	Sequence 3548, App
30	45.5	44.2	1491	12	US-10-432-613-2	Sequence 2, Appl1
31	45	43.7	90	16	US-10-437-963-177567	Sequence 177567, App
32	45	43.7	93	16	US-10-437-963-111065	Sequence 111065, A
33	45	43.7	663	12	US-10-282-122A-52415	Sequence 52415, A
34	45	43.7	698	16	US-10-437-963-186725	Sequence 186725, A
35	45	43.7	709	15	US-10-310-154-583	Sequence 583, App
36	45	43.7	789	12	US-10-282-122A-51312	Sequence 51312, A
37	45	43.7	924	16	US-10-437-963-153273	Sequence 153273, A
38	44	42.7	143	16	US-10-767-701-56231	Sequence 56231, A
39	44	42.7	194	9	US-09-784-249-4	Sequence 4, Appl1
40	44	42.7	429	15	US-10-295-027-116	Sequence 116, App
41	44	42.7	481	14	US-10-080-170-14	Sequence 14, Appl
42	44	42.7	481	16	US-10-080-170-14	Sequence 14, Appl
43	44	42.7	496	9	US-09-784-249-2	Sequence 2, Appl1
44	44	42.7	496	11	US-09-764-875-746	Sequence 746, App
45	44	42.7	496	11	US-09-764-875-900	Sequence 900, App

ALIGNMENTS

RESULT 1
US-10-000-039-3
; Sequence 3, Application US/10000039
; Publication No. US20030003559A1
GENERAL INFORMATION:
APPLICANT: LANG, Florian
TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSER: POLY & LANDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/000, 039
FILING DATE: 04-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/031,295
FILING DATE: 26-FEB-1998
APPLICATION NUMBER: DE 197-08-173.8
FILING DATE: 28-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sandcock, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 058315/0123
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-000-039-3

Query Match 100.0%; Score 103; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 1 DPEFTEPVNSIGKSPDS 19

RESULT 2
US-10-217-155A-17
; Sequence 17, Application US/10217155A
; Publication No. US20030065855A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures and Materials and Methods for
; FILE REFERENCE: 44236
; CURRENT APPLICATION NUMBER: US/10/217,155A
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; OTHER INFORMATION: uncertain
US-10-217-155A-17

Query Match 100.0%; Score 103; DB 12; Length 340;
Best Local Similarity 100.0%; Pred. No. 4.5e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 295 DPEFTEPVNSIGKSPDS 313

RESULT 3
US-10-217-574-17
; Sequence 17, Application US/10217574
; Publication No. US20040005687A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures
; FILE REFERENCE: 44237
; CURRENT APPLICATION NUMBER: US/10/217,574
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01

; PRIOR APPLICATION NUMBER: GB 0216215.4
; PRIOR FILING DATE: 2002-07-12
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; OTHER INFORMATION: uncertain
US-10-217-574-17

Query Match 100.0%; Score 103; DB 15; Length 340;
Best Local Similarity 100.0%; Pred. No. 4.5e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 295 DPEFTEPVNSIGKSPDS 313

RESULT 4
US-10-217-555-17
; Sequence 17, Application US/10217555
; Publication No. US20040009569A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures and Materials and Methods for
; FILE REFERENCE: 44236
; CURRENT APPLICATION NUMBER: US/10/217,555
; CURRENT FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; OTHER INFORMATION: uncertain
US-10-217-555-17

Query Match 100.0%; Score 103; DB 15; Length 340;
Best Local Similarity 100.0%; Pred. No. 4.5e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 295 DPEFTEPVNSIGKSPDS 313

RESULT 5
US-10-131-410-104
; Sequence 104, Application US/10131410
; Publication No. US20030235915A1
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
; TUMORS

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/ FILE REFERENCE: SCH-1763
/ CURRENT APPLICATION NUMBER: US/10/131,410
/ CURRENT FILING DATE: 2002-04-25
/ PRIOR APPLICATION NUMBER: 09/646,673
/ PRIOR FILING DATE: 2000-09-20
/ PRIOR APPLICATION NUMBER: PCT/DE99/00908
/ PRIOR FILING DATE: 1999-03-19
/ NUMBER OF SEQ ID NOS: 202
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 104
/ LENGTH: 388
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-131-410-104

Query Match
Best Local Similarity 100.0%; Score 103; DB 15; Length 388;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 343 DPEFTEPVNSIGKSPDS 361

RESULT 6
US-10-067-977-4
/ Sequence 4, Application US/10067977
/ Publication No. US20030157679A1
/ GENERAL INFORMATION:
/ APPLICANT: YAN, Chunhua and KE, Zhaoxi
/ TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
/ TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
/ FILE REFERENCE: CL001313
/ CURRENT APPLICATION NUMBER: US/10/067,977
/ CURRENT FILING DATE: 2002-02-08
/ NUMBER OF SEQ ID NOS: 4
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 407
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-067-977-4

Query Match
Best Local Similarity 100.0%; Score 103; DB 14; Length 407;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 363 DPEFTEPVNSIGKSPDS 380

RESULT 7
US-09-810-808-5
/ Sequence 5, Application US/09810808
/ Patent No. US20020042114A1
/ GENERAL INFORMATION:
/ APPLICANT: Au-Young, Janice
/ APPLICANT: Guegler, Karl J.
/ APPLICANT: Hawkins, Phillip R.
/ TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
/ NUMBER OF SEQUENCES: 9
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Incyte Pharmaceuticals, Inc.
/ STREET: 3174 Porter Drive
/ CITY: Palo Alto
/ STATE: CA
/ COUNTRY: U.S.
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
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/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq Version 1.5
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/810,808
/ FILING DATE: 15-Mar-2001
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 09/541,228
/ FILING DATE: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Billings, Lucy J
/ REGISTRATION NUMBER: 36,749
/ REFERENCE/DOCKET NUMBER: PF-0118 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415-855-0555
/ TELEFAX: 415-845-4166
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 431 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ IMMEDIATE SOURCE:
/ LIBRARY: <Unknown>
/ CLONE: Consensus
/ SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-810-808-5

Query Match
Best Local Similarity 100.0%; Score 103; DB 9; Length 431;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 386 DPEFTEPVNSIGKSPDS 404

RESULT 8
US-09-981-353-7
/ Sequence 7, Application US/09981353
/ Patent No. US20020160382A1
/ GENERAL INFORMATION:
/ APPLICANT: Lasek, Amy W.
/ APPLICANT: Jones, David A.
/ TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
/ FILE REFERENCE: PA-0038 US
/ CURRENT APPLICATION NUMBER: US/09/981,353
/ CURRENT FILING DATE: 2001-10-11
/ NUMBER OF SEQ ID NOS: 194
/ SOFTWARE: PERL Program
/ SEQ ID NO 7
/ LENGTH: 431
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ OTHER INFORMATION: Incyte ID NO. US20020160382A1 3819039CD1
US-09-981-353-7

Query Match
Best Local Similarity 100.0%; Score 103; DB 9; Length 431;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTEPVNSIGKSPDS 19
Db 386 DPEFTEPVNSIGKSPDS 404

RESULT 9
US-10-403-161-2
/ Sequence 2, Application US/10403161
/ Publication No. US20040043930A1
/ GENERAL INFORMATION:
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; APPLICANT: Anderson, David et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-573C
; CURRENT APPLICATION NUMBER: US/10/403,161
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/370349
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/384543
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/370969
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: 60/403748
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/372019
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/374379
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 09/779679
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/181045
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 10/055877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262892
; PRIOR FILING DATE: 2001-01-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 2
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-403-161-2

Query Match      100.0%; Score 103; DB 12; Length 431;
Best Local Similarity 100.0%; Pred. No. 5.8e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 DPEFTPEVPNSIGKSPDS 19
DB      386 DPEFTPEVPNSIGKSPDS 404

RESULT 10
US-10-403-161-4
; Sequence 4, Application US/10403161
; Publication No. US20040043930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-573C
; CURRENT APPLICATION NUMBER: US/10/403,161
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/370349
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/384543
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/370969
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: 60/403748
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/372019
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/374379
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 09/779679
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/181045
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 10/055877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262892
; PRIOR FILING DATE: 2001-01-19
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-403-161-4

Query Match      100.0%; Score 103; DB 12; Length 431;
Best Local Similarity 100.0%; Pred. No. 5.8e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 DPEFTPEVPNSIGKSPDS 19
DB      386 DPEFTPEVPNSIGKSPDS 404

RESULT 11
US-10-000-039-2
; Sequence 2, Application US/10000039
; Publication No. US20030003559A1
; GENERAL INFORMATION:
; APPLICANT: LANG, Florian
; TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSER: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/000,039
; FILING DATE: 04-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/031,295
; FILING DATE: 26-FEB-1998
; APPLICATION NUMBER: DE 197-08-173.8
; FILING DATE: 28-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Sandercock, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 058315/0123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-000-039-2

Query Match      100.0%; Score 103; DB 14; Length 431;
Best Local Similarity 100.0%; Pred. No. 5.8e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 DPEFTPEVPNSIGKSPDS 19
DB      386 DPEFTPEVPNSIGKSPDS 404
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APPLICANT: Au-Young, Janice
Guebler, Kari J.
Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/810,808
FILING DATE: 15-Mar-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/541,228
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PR-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 294637
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-810-808-9

Query Match 92.2%; Score 95; DB 9; Length 430;
Best Local Similarity 89.5%; Pred. No. 9e-06;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTSRPVNSIGKSPDS 19
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Db 385 DPEFTSRPVNSIGKSPDS 403

Search completed: September 15, 2004, 14:53:14
Job time : 10.133 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 15, 2004, 14:21:54 ; Search time 2.5279 Seconds
(without alignments)
388.027 Million cell updates/sec

Title: US-10-000-039A-3
Perfect score: 103
Sequence: 1 DPEFTPEPVNSIGKSPDS 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 segs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seg length: 0
Maximum DB seg length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgn2_6/prodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6A_COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6B_COMB.pep:*
5: /cgn2_6/prodata/2/1aa/6COTUS_COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	103	100.0	19	4	US-09-031-295-3
2	103	100.0	431	2	US-08-712-709-5
3	103	100.0	431	3	US-09-111-444-5
4	103	100.0	431	3	US-09-541-228-5
5	103	100.0	431	4	US-09-031-295-2
6	95	92.2	430	2	US-08-712-709-9
7	95	92.2	430	3	US-09-111-444-9
8	95	92.2	430	3	US-09-541-228-9
9	44	42.7	540	4	US-09-134-001C-4705
10	43	41.7	111	4	US-09-187-859-21
11	43	41.7	111	4	US-09-839-542B-21
12	43	41.7	111	4	US-09-535-852-21
13	43	41.7	498	4	US-09-489-039A-13576
14	43	41.7	559	1	US-08-313-288B-14
15	43	41.7	687	2	US-08-540-804-4
16	43	41.7	687	2	US-08-218-265-4
17	43	41.7	687	3	US-08-521-872-4
18	43	41.7	687	3	US-08-590-399-4
19	43	41.7	713	1	US-08-188-228-62
20	43	41.7	713	1	US-08-332-643-56
21	43	41.7	713	1	US-08-332-643-56
22	43	41.7	941	4	US-07-757-022B-14
23	43	41.7	1022	4	US-07-757-022B-84
24	43	41.7	1038	4	US-07-757-022B-74
25	43	41.7	1049	4	US-07-757-022B-58
26	43	41.7	1140	4	US-07-757-022B-104
27	43	41.7	1270	4	US-07-757-022B-44

28	43	41.7	1311	4	US-07-757-022B-42	Sequence 42, Appl
29	43	41.7	1313	4	US-07-757-022B-142	Sequence 142, App
30	43	41.7	1314	4	US-07-757-022B-50	Sequence 50, Appl
31	43	41.7	1320	4	US-07-757-022B-46	Sequence 46, Appl
32	43	41.7	1320	4	US-07-757-022B-60	Sequence 60, Appl
33	43	41.7	1350	4	US-10-164-595-58	Sequence 58, Appl
34	43	41.7	1354	4	US-07-757-022B-48	Sequence 48, Appl
35	43	41.7	1361	4	US-07-757-022B-40	Sequence 40, Appl
36	43	41.7	1363	4	US-07-757-022B-52	Sequence 52, Appl
37	43	41.7	1404	4	US-07-757-022B-2	Sequence 2, Appl
38	43	41.7	1404	4	US-07-757-022B-62	Sequence 62, Appl
39	43	41.7	1404	4	US-10-164-595-78	Sequence 78, Appl
40	42	40.8	57	2	US-08-619-542B-39	Sequence 39, Appl
41	42	40.8	176	2	US-08-619-542B-44	Sequence 44, Appl
42	42	40.8	464	2	US-08-969-630-5	Sequence 5, Appl
43	42	40.8	548	4	US-09-107-532A-6627	Sequence 627, Ap
44	42	40.8	1182	4	US-09-287-354-6	Sequence 6, Appl
45	42	40.8	3052	2	US-08-557-122A-26	Sequence 26, Appl

ALIGNMENTS

```
RESULT 1
US-09-031-295-3
; Sequence 3, Application US/09031295
; Patent No. 6326181
;
; GENERAL INFORMATION:
; APPLICANT: LANG, Florian
; APPLICANT: WALDBERGER, Tubingen
; TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSER: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/031,295
; FILING DATE: 26-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 197-08-173.8
; FILING DATE: 28-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Sandercock, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 058315/0123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
; US-09-031-295-3
;
; Query Match 100.0%; Score 103; DB 4; Length 19;
; Best Local Similarity 100.0%; Pred. No. 2.7e-09;
; Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; 1 DPEFTPEPVNSIGKSPDS 19
; |||||
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DB 1 DPEFTPEPVNSIGKSPDS 19

RESULT 2
US-08-712-709-5
; Sequence 5, Application US/08712709
; Patent No. 5863780
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/712,709
; FILING DATE: Filed Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
; US-08-712-709-5

Query Match 100.0%; Score 103; DB 2; Length 431;
Best Local Similarity 100.0%; Pred. No. 8.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTPEPVNSIGKSPDS 19
DB 386 DPEFTPEPVNSIGKSPDS 404

RESULT 3
US-09-111-444-5
; Sequence 5, Application US/09111444
; Patent No. 6045792
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,444
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
; US-09-111-444-5

Query Match 100.0%; Score 103; DB 3; Length 431;
Best Local Similarity 100.0%; Pred. No. 8.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTPEPVNSIGKSPDS 19
DB 386 DPEFTPEPVNSIGKSPDS 404

RESULT 4
US-09-541-228-5
; Sequence 5, Application US/09541228
; Patent No. 6232077
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/541,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
US-09-541-228-5

Query Match 100.0%; Score 103; DB 3; Length 431;
Best Local Similarity 100.0%; Pred. No. 8.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTPEVPNSIGKSPDS 19
DB 386 DPEFTPEVPNSIGKSPDS 404

RESULT 5
US-09-031-295-2
; Sequence 2, Application US/09031295
; Patent No. 6326181
; GENERAL INFORMATION:
; APPLICANT: LANG, Florian
; TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/031,295
; FILING DATE: 26-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 197-08-173.8
; FILING DATE: 28-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Sandercock, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 058315/0123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-031-295-2

Query Match 100.0%; Score 103; DB 4; Length 431;
Best Local Similarity 100.0%; Pred. No. 8.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTPEVPNSIGKSPDS 19
DB 386 DPEFTPEVPNSIGKSPDS 404

RESULT 6
US-08-712-709-9
; Sequence 9, Application US/08712709
; Patent No. 5863780
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: PasteSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/712,709
; FILING DATE: Filed Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: Pf-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 294637
US-08-712-709-9

Query Match 92.2%; Score 95; DB 2; Length 430;
Best Local Similarity 89.5%; Pred. No. 1.3e-06;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 DPEFTPEVPNSIGKSPDS 19
DB 385 DPEFTPEVPNSIGKSPDS 403

RESULT 7
US-09-111-444-9
; Sequence 9, Application US/09111444
; Patent No. 6045792
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette

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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,444
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/712,709
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 294637
US-09-111-444-9

Query Match          92.2%; Score 95; DB 3; Length 430;
Best Local Similarity 89.5%; Pred. No. 1.3e-06;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 DPEFTEPVPNSIGKSPDS 19
Db      385 DPEFTEPVPSSIGKSPDS 403

RESULT 8
US-09-541-228-9
; Sequence 9, Application US/09541228
; Patent No. 6232077
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guogler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/541,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 9:
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SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 294637
US-09-541-228-9

Query Match          92.2%; Score 95; DB 3; Length 430;
Best Local Similarity 89.5%; Pred. No. 1.3e-06;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 DPEFTEPVPNSIGKSPDS 19
Db      385 DPEFTEPVPSSIGKSPDS 403

RESULT 9
US-09-134-001C-4705
; Sequence 4705, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4705
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4705

Query Match          42.7%; Score 44; DB 4; Length 540;
Best Local Similarity 47.1%; Pred. No. 90;
Matches 8; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY      1 DPEFTEPVPNSIGKSP 17
Db      356 DSEFDEKITEKTESIGKLP 372

RESULT 10
US-09-187-859-21
; Sequence 21, Application US/09187859A
; Patent No. 6358920
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
; FILE REFERENCE: 100086,407C1
; CURRENT APPLICATION NUMBER: US/09/187,859A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 4052
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-187-859-21

Query Match          41.7%; Score 43; DB 4; Length 111;
Best Local Similarity 44.4%; Pred. No. 23;
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	Matches	8;	Conservative	2;	Mismatches	8;	Indels	0;	Gaps	0;
QY	2	PETTEPVPNSIGKSPDS	19							
		:								
Db	14	PENQRQPFPRDVGKTVDS	31							

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? RESULT 11
? US-09-839-542B-21
? Sequence 21, Application US/09839542B
? Patent No. 656996
? GENERAL INFORMATION:
? APPLICANT: Blaschuk, Orest W.
? APPLICANT: Symonds, James Matthew
? APPLICANT: Gour, Barbara J.
? TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
? TITLE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
? FILE REFERENCE: 100086, 40701
? CURRENT APPLICATION NUMBER: US/09/839,542B
? CURRENT FILING DATE: 2001-04-20
? NUMBER OF SEQ ID NOS: 4052
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 21
? LENGTH: 111
? TYPE: PRT
? ORGANISM: Homo sapiens
? US-09-839-542B-21

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Query Match	41.7%	Score 43	DB 4	Length 11
Best Local Similarity	44.4%	Pred. No. 23		
Matches	8	Conservative	2	Mismatches 8
				Indels 0
				Gaps 0
QY	2	P E F T E E P V P N S I G K S P D S	19	
	:	: : : : : :		
Db	14	P E N Q R Q P P R D V G K Y V D S	31	

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RESULT 12
US-09-535-852-21
; Sequence 21, Application US/09535852
; Patent No. 6638911
GENERAL INFORMATION:
; APPLICANT: Blachuk, Orest W.
; APPLICANT: Symonds, James M.
; TITLE OF INVENTION: Gout, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE NUMBER: 100086.407C6
; CURRENT APPLICATION NUMBER: US/09/535,852
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2009
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-535-852-21

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Query	2	P	E	F	T	E	P	V	N	S	I	G	K	S	P	D	S	19
			:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	
Db	14	P	E	N	O	R	Q	P	F	P	R	V	G	K	V	D	S	31

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RESULT 13
US-09-489-039A-13576
; Sequence 13576, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al

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; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13576
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13576

Query Match          41.7%;   Score 43;   DB 4;   Length 498;
Best Local Similarity 45.0%;   Pred. No. 1.2e+02;
Matches      9;   Conservative      3;   Mismatches      6;   Indels      2;   Gaps      1;

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	Query Match	41.7%	Score 43;	DB 4;	Length 498;
	Best Local Similarity	45.0%;	Pred.	No. 1.2e+02;	
Matches	9;	Conservative	3;	Mismatches	6;
				Indels	2;
				Gaps	1.
Qy	1 DPER--TPEVPNNSIGKSPD	18			
Db	309 DSEFRHSGCELPENMLGMPD	328	:	:	:

RESULT 14
US-08-313-289B-14
Sequence 14, Application US/08313289B
Patent No. 5750502
GENERAL INFORMATION:
APPLICANT: Jessell, Thomas M. and Avihu Klar
TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas

1 COUNTRY: USA
2 ZIP: 10036
3
4 COMPUTER READABLE FORM:
5
6 MEDIUM TYPE: Floppy disk
7
8 COMPUTER: IBM PC compatible
9
10 OPERATING SYSTEM: PC-DOS/MS-DOS
11
12 SOFTWARE: Patent Release #1.0, Version #1.30
13
14 CURRENT APPLICATION DATA:
15
16 APPLICATION NUMBER: US/08/313,288B
17
18 FILING DATE: January 5, 1995
19
20 CLASSIFICATION: 435
21
22 ATTORNEY/AGENT INFORMATION:
23
24 NAME: White, John P.
25
26 REGISTRATION NUMBER: 26,678
27
28 REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
29
30 TELECOMMUNICATION INFORMATION:
31
32 TELEPHONE: (212) 278-0400
33
34 TELEFAX: (212) 391-0526
35
36 TELEX:
37
38 INFORMATION FOR SEQ ID NO: 14:

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; LENGTH: 559 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-313-288B-14

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Db 365 PEDSEKEVPSDVPRNPE 361

RESULT 15
US-08-540-804-4
Sequence 4, Application US/08540804
Patent No. 5919666
GENERAL INFORMATION:
APPLICANT: Young, Richard A.
APPLICANT: Koleske, Anthony J.
APPLICANT: Thompson, Craig M.
APPLICANT: Chao, David M.
TITLE OF INVENTION: No. 5919666 Factors Which Modify Gene
TITLE OF INVENTION: Transcription and Methods of Use Therefor
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/540,804
FILING DATE: 11-OCT-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/521,872
FILING DATE: 21-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/218,265
FILING DATE: 25-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WHI94-03A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ. ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 687 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-540-804-4

Query Match 41.7%; Score 43; DB 2; Length 687;
Best Local Similarity 53.3%; Pred. No. 1.7e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 5 TERPVNIGKSPDS 19
Db 43 SDRVPESAGKADTS 57

Search completed: September 15, 2004, 14:34:13
Job time : 3.5279 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 15, 2004, 14:30:49 ; Search time 207.176 Seconds
(without alignments)
667.149 Million cell updates/sec

Title: US-10-000-039A-2
Perfect score: 2270
Sequence: 1 MTWKEAKGTLTYSRMGM.....KEAAAFILGFSYAPPTDSFL 431

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1335176 seqs, 320689617 residues
Total number of hits satisfying chosen parameters: 1335176

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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- 4: /cgnt_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgnt_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgnt_6/ptodata/2/pubpaa/PTUS_PUBCOMB.pep.*
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- 11: /cgnt_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
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- 14: /cgnt_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgnt_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgnt_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgnt_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgnt_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2270	100.0	431	US-10-000-039-2	Sequence 2, Appli
2	2270	100.0	431	US-10-353-690-12	Sequence 12, Appli
3	2267	99.9	431	US-09-981-353-7	Sequence 7, Appli
4	2267	99.9	431	US-10-403-161-2	Sequence 4, Appli
5	2267	99.9	431	US-10-403-161-4	Sequence 5, Appli
6	2254	99.3	431	US-09-810-808-5	Sequence 5, Appli
7	2204.5	97.1	430	US-09-810-808-9	Sequence 4, Appli
8	2152	94.8	407	US-10-067-977-4	Sequence 2, Appli
9	2150	94.7	445	US-10-067-977-2	Sequence 1861, Ap
10	2148	94.6	526	US-10-094-749-1861	Sequence 104, Appli
11	2009	88.5	388	US-10-131-410-104	Sequence 17, Appli
12	1799	79.3	340	US-10-217-155A-17	Sequence 17, Appli
13	1799	79.3	340	US-10-217-574-17	Sequence 17, Appli
14	1799	79.3	340	US-10-217-555-17	Sequence 17, Appli
15	1635	72.0	308	US-10-664-421-85	Sequence 85, Appli

16	1477	65.1	496	9	US-09-784-249-2
17	1472	64.8	429	15	US-10-295-027-116
18	1472	64.8	496	11	US-09-764-875-746
19	1472	64.8	496	11	US-09-764-875-900
20	1459	64.3	496	11	US-10-755-889-42
21	1409.5	62.1	382	12	US-10-296-115-1109
22	1407	62.0	367	9	US-09-971-118-2
23	1407	62.0	367	12	US-10-221-278-256
24	1407	62.0	367	12	US-10-380-235-6
25	1407	62.0	367	15	US-10-291-172-256
26	1407	62.0	367	16	US-10-429-160-52
27	1236.5	55.4	398	12	US-10-262-511-140
28	1072	47.2	422	15	US-10-369-493-7027
29	964.5	42.5	276	9	US-09-764-868-659
30	964.5	42.5	276	11	US-09-764-875-1176
31	909	40.0	479	9	US-09-771-161A-246
32	909	40.0	479	9	US-09-771-161A-247
33	909	40.0	479	9	US-09-771-161A-248
34	909	40.0	479	12	US-10-217-155A-33
35	909	40.0	479	15	US-10-394-322A-3
36	909	40.0	479	15	US-10-217-574-33
37	909	40.0	479	15	US-10-217-555-33
38	905	39.9	465	10	US-09-526-043-2
39	905	39.9	465	15	US-10-394-368-2
40	905	39.9	465	15	US-10-394-568-12
41	903	39.8	454	10	US-09-526-043-17
42	885	39.0	321	14	US-10-116-722A-4
43	865	38.1	480	16	US-10-713-678-6
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45	850	37.4	480	9	US-09-771-161A-223

ALIGNMENTS

RESULT 1
US-10-000-039-2
; Sequence 2, Application US/10000039
; Publication No. US20030003559A1
GENERAL INFORMATION:
APPLICANT: LANG, Florian
TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/000,039
FILING DATE: 04-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/031,295
FILING DATE: 26-FEB-1998
APPLICATION NUMBER: DE 197-08-173.8
FILING DATE: 28-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sandercock, Colin G.
REGISTRATION/DOCKET NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 058315/0123
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 2:

Sequence 2, Appli
Sequence 116, App
Sequence 746, App
Sequence 900, App
Sequence 42, Appli
Sequence 1109, Ap
Sequence 2, Appli
Sequence 256, App
Sequence 6, Appli
Sequence 256, App
Sequence 7027, Ap
Sequence 669, App
Sequence 1176, Ap
Sequence 246, App
Sequence 248, App
Sequence 248, App
Sequence 33, Appli
Sequence 33, Appli
Sequence 33, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 17, Appli
Sequence 4, Appli
Sequence 6, Appli
Sequence 223, App

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-000-039-2

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Query Match      100.0%; Score 2270; DB 14; Length 431;
Best Local Similarity 100.0%; Pred. No. 7,7e-177;
Matches 431; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 SQQPEELMANNPSPSPSQOINLGPSSNPAKPSDFHFLKVIYIGSGFGKVLAAHKA 120
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DB 121 EVFYAVKVLQKAILKKKEEKHIMSERNVLLKNVKHPELVGLHPSFQTADKLYFVLDTN 180
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DB 181 GSELFYHLQERCFLEPRARFYAAETASALGYLHSINTIVYRDLKPENIILLDSQHILVTD 240
QY 241 FGICKENIHNSSTSTFCGTPETLAPEVLHKQPYDRVDWMCIGAVLYEMLYGLPPFYSR 300
DB 241 FGICKENIHNSSTSTFCGTPETLAPEVLHKQPYDRVDWMCIGAVLYEMLYGLPPFYSR 300
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DB 301 NTAEWYDNLINRPLQKPNITNSARHLLEGILLQKDRTKRLGAKDDMEIKSHVFESLINW 360
QY 361 DDLINKKITPPNPVNSGNELRHPDPEFTEBPVNSIGKSPSVLYTASVKEAARAFIG 420
DB 361 DDLINKKITPPNPVNSGNELRHPDPEFTEBPVNSIGKSPSVLYTASVKEAARAFIG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 2
US-10-353-690-12
; Sequence 12, Application US/10353690
; Publication No. US20030215840A1
; GENERAL INFORMATION:
; APPLICANT: Logan, Thomas Joseph
; APPLICANT: Chun, Miyoung
; APPLICANT: Healy, Aileen
; APPLICANT: Acton, Susan L.
; APPLICANT: Donoghue, Mary
; APPLICANT: Stagliano, Nancy
; APPLICANT: Perodini, Jacquelin
; APPLICANT: Rodrigue-Way, Amelie
; TITLE OF INVENTION: Methods and compositions for treating
; TITLE OF INVENTION: cardiovascular disease using 1682, 6169, 6193, 7771, 14395,
; TITLE OF INVENTION: 29002, 33216, 43726, 69292, 26156, 32427, 2402, 7747, 1720,
; TITLE OF INVENTION: 9151, 60491, 1371, 7077, 33207, 1419, 18036, 16105, 38650,
; TITLE OF INVENTION: 14245, 58848, 1870, 25856, 33394, 3484, 345, 9252, 9135,
; TITLE OF INVENTION: 10532, 18610, 8165, 2448, 2445, 64624, 84237, 8912, 2868,
; TITLE OF INVENTION: 283, 2554, 9464, 17799, 26686, 43848, 32135, 12208, 2914,
; TITLE OF INVENTION: 51130, 19489, 21833, 2917, 59590, 15992, 2094, 2252, 3474,
; FILE REFERENCE: MP102-018P1R0NM01M
; CURRENT APPLICATION NUMBER: US/10/353,690
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/353,224
; PRIOR FILING DATE: 2002-02-01

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; PRIOR APPLICATION NUMBER: 60/364,529
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: 60/373,861
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/376,287
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: 60/388,080
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 60/390,971
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 60/394,130
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/394,797
; PRIOR FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: 60/404,904
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 60/405,450
; PRIOR FILING DATE: 2002-08-23
; Remaining prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-353-690-12

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Query Match      100.0%; Score 2270; DB 15; Length 431;
Best Local Similarity 100.0%; Pred. No. 7,7e-177;
Matches 431; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 SQQPEELMANNPSPSPSQOINLGPSSNPAKPSDFHFLKVIYIGSGFGKVLAAHKA 120
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DB 121 EVFYAVKVLQKAILKKKEEKHIMSERNVLLKNVKHPELVGLHPSFQTADKLYFVLDTN 180
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DB 181 GSELFYHLQERCFLEPRARFYAAETASALGYLHSINTIVYRDLKPENIILLDSQHILVTD 240
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DB 241 FGICKENIHNSSTSTFCGTPETLAPEVLHKQPYDRVDWMCIGAVLYEMLYGLPPFYSR 300
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DB 361 DDLINKKITPPNPVNSGNELRHPDPEFTEBPVNSIGKSPSVLYTASVKEAARAFIG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 3
US-09-981-353-7
; Sequence 7, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US

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; CURRENT FILING DATE: 2001-10-11
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; SEQ ID NO 7
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo sapiens
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; NAME/KEY: misc feature
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US-09-981-353-7

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DB 61 SPOPEELMNNANSPSPSPSQOINLGSSNPHAKSDDFHLKVIIGSGFGKVLARHKA 120
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DB 121 EYFYAVKVLQKKAIIKKKEKHIMSEBNVLKNVGHPLVGHFSPQTADKLYFVLDYIN 180
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DB 181 GSELFYHLORECFLEPRARFYAAETASALGYLHSLINIVYRDLKPEINILLDSQGHVLT 240
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DB 241 FELCKENIEHNSTSTFCGTPREYLAPEVLAHKOPLYRTVDMWCLGAVLYMLYGLPPEYSR 300
QY 301 NTAEMYDNLINKPLQKPNITNSARHLEGLQKRTKLGAKDPMETKSHVFSLINW 360
DB 301 NTAEMYDNLINKPLQKPNITNSARHLEGLQKRTKLGAKDPMETKSHVFSLINW 360
QY 361 DDLINKITPPNPVNSGNELRHFDPEFTEEPVNSIGKSPDSVLVTASVKEAAAEAFLG 420
DB 361 DDLINKITPPNPVNSGNELRHFDPEFTEEPVNSIGKSPDSVLVTASVKEAAAEAFLG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 4
US-10-403-161-2
; Sequence 2, Application US/10403161
; Publication No. US20040043930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-573C
; CURRENT APPLICATION NUMBER: US/10/403,161
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/370349
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/384543
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/370969
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: 60/403748
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/372019
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/374379
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 09/779679
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; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/181045
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 10/055877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262892
; PRIOR FILING DATE: 2001-01-19
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: Cursedq1st version 0.1
; SEQ ID NO 2
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-403-161-2

Query Match      99.9%; Score 2267; DB 12; Length 431;
Best Local Similarity 99.8%; Pred. No. 1,4e-176;
Matches 430; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MTVTEAAKGLTYSRMGMVAIIIAFMKQRMGINDFIQKIANNSSACKHEVOSILKI 60
QY 61 SPOPEELMNNANSPSPSPSQOINLGSSNPHAKSDDFHLKVIIGSGFGKVLARHKA 120
DB 61 SPOPEELMNNANSPSPSPSQOINLGSSNPHAKSDDFHLKVIIGSGFGKVLARHKA 120
QY 121 EYFYAVKVLQKKAIIKKKEKHIMSEBNVLKNVGHPLVGHFSPQTADKLYFVLDYIN 180
DB 121 EYFYAVKVLQKKAIIKKKEKHIMSEBNVLKNVGHPLVGHFSPQTADKLYFVLDYIN 180
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DB 181 GSELFYHLORECFLEPRARFYAAETASALGYLHSLINIVYRDLKPEINILLDSQGHVLT 240
QY 241 FELCKENIEHNSTSTFCGTPREYLAPEVLAHKOPLYRTVDMWCLGAVLYMLYGLPPEYSR 300
DB 241 FELCKENIEHNSTSTFCGTPREYLAPEVLAHKOPLYRTVDMWCLGAVLYMLYGLPPEYSR 300
QY 301 NTAEMYDNLINKPLQKPNITNSARHLEGLQKRTKLGAKDPMETKSHVFSLINW 360
DB 301 NTAEMYDNLINKPLQKPNITNSARHLEGLQKRTKLGAKDPMETKSHVFSLINW 360
QY 361 DDLINKITPPNPVNSGNELRHFDPEFTEEPVNSIGKSPDSVLVTASVKEAAAEAFLG 420
DB 361 DDLINKITPPNPVNSGNELRHFDPEFTEEPVNSIGKSPDSVLVTASVKEAAAEAFLG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 5
US-10-403-161-4
; Sequence 4, Application US/10403161
; Publication No. US20040043930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-573C
; CURRENT APPLICATION NUMBER: US/10/403,161
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/370349
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/384543
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/370969
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: 60/403748
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/372019
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 09/779679
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PRIOR APPLICATION NUMBER: 60/374379
PRIOR FILING DATE: 2002-04-22
PRIOR APPLICATION NUMBER: 09/779679
PRIOR FILING DATE: 2001-02-08
PRIOR APPLICATION NUMBER: 60/181045
PRIOR FILING DATE: 2000-02-08
PRIOR APPLICATION NUMBER: 10/055877
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262892
PRIOR FILING DATE: 2001-01-19
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 173
SOFTWARE: Cuiaseqblast version 0.1
SEQ ID NO 4
LENGTH: 431
TYPE: PRF
ORGANISM: Homo sapiens
US-10-403-161-4

Query Match 99.9%; Score 2267; DB 12; Length 431;
Best Local Similarity 99.8%; Pred. No. 1,4e-176;
Matches 430; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MVTKEAAKGTLLYSRMRGVAIIIAFMKQRMGLNDFIOKIANNSYACKHPEVOSTIKI 60
DB 1 MVTKEAAKGTLLYSRMRGVAIIIAFMKQRMGLNDFIOKIANNSYACKHPEVOSTIKI 60
QY 61 SOOPEELMANANSPSPSPSOQINLGPSSNPAKPSDFHFLKVIIGKSPGKVLAAHKA 120
DB 61 SOOPEELMANANSPSPSPSOQINLGPSSNPAKPSDFHFLKVIIGKSPGKVLAAHKA 120
QY 121 EYFAVAVKLOKKAIIKKKEKHIMSERNVLLKNVKHPLVGLHFSQTDKLYFYLDYIN 180
DB 121 EYFAVAVKLOKKAIIKKKEKHIMSERNVLLKNVKHPLVGLHFSQTDKLYFYLDYIN 180
QY 181 GGLFYHLQRECFLEPRARFYAAETASALGYLHSINIVYRDLKPENIILDSQGHIVLTD 240
DB 181 GGLFYHLQRECFLEPRARFYAAETASALGYLHSINIVYRDLKPENIILDSQGHIVLTD 240
QY 241 FGLCKENIHNSTSTFCGTEPEYLAPEVLHKKOPYDRTVDMWCI GAVLYEMLYGLPPFYSR 300
DB 241 FGLCKENIHNSTSTFCGTEPEYLAPEVLHKKOPYDRTVDMWCI GAVLYEMLYGLPPFYSR 300
QY 301 NTAEMYDNIINKPDIOLKPNITNSARHLLEGLQKDRTKRLGAKDDPMEIKSHVFFSLIYW 360
DB 301 NTAEMYDNIINKPDIOLKPNITNSARHLLEGLQKDRTKRLGAKDDPMEIKSHVFFSLIYW 360
QY 361 DDLINKKIPFPNPVNSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASVKEAAEAFILG 420
DB 361 DDLINKKIPFPNPVNSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASVKEAAEAFILG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 6

US-09-810-808-5
Sequence 5, Application US/09810808
Patent No. US20020042114A1
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
Guegler, Karl J.
Hawkins, Phillip R.
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/810,808
FILING DATE: 15-Mar-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/541,228
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PP-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 431 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: <Unknown>
CLONE: Consensus
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-810-808-5

Query Match 99.3%; Score 2254; DB 9; Length 431;
Best Local Similarity 99.3%; Pred. No. 1,6e-175;
Matches 428; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MVTKEAAKGTLLYSRMRGVAIIIAFMKQRMGLNDFIOKIANNSYACKHPEVOSTIKI 60
DB 1 MVTKEAAKGTLLYSRMRGVAIIIAFMKQRMGLNDFIOKIANNSYACKHPEVOSTIKI 60
QY 61 SOOPEELMANANSPSPSPSOQINLGPSSNPAKPSDFHFLKVIIGKSPGKVLAAHKA 120
DB 61 SOOPEELMANANSPSPSPSOQINLGPSSNPAKPSDFHFLKVIIGKSPGKVLAAHKA 120
QY 121 EYFAVAVKLOKKAIIKKKEKHIMSERNVLLKNVKHPLVGLHFSQTDKLYFYLDYIN 180
DB 121 EYFAVAVKLOKKAIIKKKEKHIMSERNVLLKNVKHPLVGLHFSQTDKLYFYLDYIN 180
QY 181 GGLFYHLQRECFLEPRARFYAAETASALGYLHSINIVYRDLKPENIILDSQGHIVLTD 240
DB 181 GGLFYHLQRECFLEPRARFYAAETASALGYLHSINIVYRDLKPENIILDSQGHIVLTD 240
QY 241 FGLCKENIHNSTSTFCGTEPEYLAPEVLHKKOPYDRTVDMWCI GAVLYEMLYGLPPFYSR 300
DB 241 FGLCKENIHNSTSTFCGTEPEYLAPEVLHKKOPYDRTVDMWCI GAVLYEMLYGLPPFYSR 300
QY 301 NTAEMYDNIINKPDIOLKPNITNSARHLLEGLQKDRTKRLGAKDDPMEIKSHVFFSLIYW 360
DB 301 NTAEMYDNIINKPDIOLKPNITNSARHLLEGLQKDRTKRLGAKDDPMEIKSHVFFSLIYW 360
QY 361 DDLINKKIPFPNPVNSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASVKEAAEAFILG 420
DB 361 DDLINKKIPFPNPVNSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASVKEAAEAFILG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 7

US-09-810-808-9
Sequence 9, Application US/09810808
Patent No. US20020042114A1
GENERAL INFORMATION:

APPLICANT: Au-Young, Janice
Guegler, Karl J.
Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/810,808
FILING DATE: 15-Mar-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/541,228
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 294637
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-810-808-9

Query Match 97.1%; Score 2204.5; DB 9; Length 430;
Best Local Similarity 96.8%; Pred. No. 1.7e-171;
Matches 417; Conservative 8; Mismatches 5; Indels 1; Gaps 1;

QY 1 MTVKTBAAGTLTYSHRMGVALLAFMKQRMGINDFIQKIANNSSACKHPEVOSILKI 60
Db 1 MTVKTBAAGTLTYSHRMGVALLAFMKQRMGINDFIQKIANNSSACKHPEVOSILKI 60
QY 61 SQPQBELMANNPSPSPSQOINLGPSSNPFAKPSDFHFLKVIIGSGSGKYLAAHKA 120
Db 61 SQPQBELMANNPSPSPSQOINLGPSSNPFAKPSDFHFLKVIIGSGSGKYLAAHKA 120
QY 121 EVFYAVKVLQKAILKKKEEKHIMSEBNVLLKVKKPFVGLHFSFQTDKLYFVLDYIN 180
Db 121 EVFYAVKVLQKAILKKKEEKHIMSEBNVLLKVKKPFVGLHFSFQTDKLYFVLDYIN 180
QY 181 GSELFYHLQRECFLEPRARFYAAIASAIGYLAHSINIYRDIKPNILLDSQGHIVLTD 240
Db 181 GSELFYHLQRECFLEPRARFYAAIASAIGYLAHSINIYRDIKPNILLDSQGHIVLTD 240
QY 241 FGICENIENHNTSTFCGPEYLAPEVHLKQPYDRTVWMCIGAVLYEMLYGLPPFYSR 300
Db 241 FGICENIENHNTSTFCGPEYLAPEVHLKQPYDRTVWMCIGAVLYEMLYGLPPFYSR 300
QY 301 NTAEMTDNIIINKPLQIKPNTNSARHLLBGLQKDRTKRLGAKDDMEIKSHVFSLINW 360
Db 301 NTAEMTDNIIINKPLQIKPNTNSARHLLBGLQKDRTKRLGAKDDMEIKSHVFSLINW 360
QY 361 DDINKKTPPPNPVNSGPNELHFPDEFTEBPVNSIGKSPDSVLVTASVKAABAFLG 420
Db 361 DDINKKTPPPNPVNSGPNELHFPDEFTEBPVNSIGKSPDSVLVTASVKAABAFLG 420

Db 360 DDINKKTPPPNPVNSGPNELHFPDEFTEBPVNSIGKSPDSVLVTASVKAABAFLG 419
QY 421 FSYAPPTDSFL 431
Db 420 FSYAPPTDSFL 430

RESULT 8
US-10-067-977-4
Sequence 4, Application US/10067977
Publication No. US20030157679A1
GENERAL INFORMATION:
APPLICANT: YAN, Chunhua and KE, Zhaoxi
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE REFERENCE: C1001313
CURRENT APPLICATION NUMBER: US/10/067,977
CURRENT FILING DATE: 2002-02-08
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 407
TYPE: PRT
ORGANISM: Homo sapiens
US-10-067-977-4

Query Match 94.8%; Score 2152; DB 14; Length 407;
Best Local Similarity 99.8%; Pred. No. 3.1e-167;
Matches 406; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 25 IAFMKQRMGINDFIQKIANNSSACKHPEVOSILKISQPQBELMANNPSPSPSQOIN 84
Db 1 IAFMKQRMGINDFIQKIANNSSACKHPEVOSILKISQPQBELMANNPSPSPSQOIN 84
QY 85 LGPSSNPFAKPSDFHFLKVIIGSGSGKYLAAHKAEEVYAVKVLQKAILKKKEKHIM 144
Db 85 LGPSSNPFAKPSDFHFLKVIIGSGSGKYLAAHKAEEVYAVKVLQKAILKKKEKHIM 144
QY 145 SERNVLLKVKKPFVGLHFSFQTDKLYFVLDYINGSELFYHLQRECFLEPRARFYAA 204
Db 145 SERNVLLKVKKPFVGLHFSFQTDKLYFVLDYINGSELFYHLQRECFLEPRARFYAA 204
QY 205 EIASALGYLHSINIYRDIKPNILLDSQGHIVLTDGICENIENHNTSTFCGPEYL 264
Db 205 EIASALGYLHSINIYRDIKPNILLDSQGHIVLTDGICENIENHNTSTFCGPEYL 264
QY 265 APEVHLKQPYDRTVWMCIGAVLYEMLYGLPPFYSRNTAEMTDNIIINKPLQIKPNTNSA 324
Db 265 APEVHLKQPYDRTVWMCIGAVLYEMLYGLPPFYSRNTAEMTDNIIINKPLQIKPNTNSA 324
QY 325 RHLLBGLQKDRTKRLGAKDDMEIKSHVFSLINWDDLINKKTPPPNPVNSGPNELRH 384
Db 301 RHLLBGLQKDRTKRLGAKDDMEIKSHVFSLINWDDLINKKTPPPNPVNSGPNELRH 360
QY 385 FDPDEFTEBPVNSIGKSPDSVLVTASVKAABAFLGFSYAPPTDSFL 431
Db 361 FDPDEFTEBPVNSIGKSPDSVLVTASVKAABAFLGFSYAPPTDSFL 407

RESULT 9
US-10-067-977-2
Sequence 2, Application US/10067977
Publication No. US20030157679A1
GENERAL INFORMATION:
APPLICANT: YAN, Chunhua and KE, Zhaoxi
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE REFERENCE: C1001313
CURRENT APPLICATION NUMBER: US/10/067,977
CURRENT FILING DATE: 2002-02-08
NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 445
TYPE: PRT
ORGANISM: Homo sapiens
US-10-067-977-2

Query Match 94.7%; Score 2150; DB 14; Length 445;
Best Local Similarity 99.5%; Pred. No. 5e-167;
Matches 405; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 25 IAPKQRMGLNDPFIQKIANNVYCKHPEVOSIIKISQPOPELNMNANPSPSPSQOIN 84
DB 39 IAPKQRMGLNDPFIQKIANNVYCKHPEVOSIIKISQPOPELNMNANPSPSPSQOIN 98
QY 85 LGSSNPNAKPSDFHFLKVIKIGKSPGKVLARHKAEEVFAVKYLQKKAIIKKKEEKIIMS 144
DB 99 LGSSNPNAKPSDFHFLKVIKIGKSPGKVLARHKAEEVFAVKYLQKKAIIKKKEEKIIMS 158
QY 145 SEENVLLKNVYKHPFLVGLHFSFQTADKLYFVLVYINGGELFYHLQRRRCFLEPRARFYAA 204
DB 159 SEENVLLKNVYKHPFLVGLHFSFQTADKLYFVLVYINGGELFYHLQRRRCFLEPRARFYAA 218
QY 205 EIASALGYLHSLNIVYRDLPENIILDSQGHIVLTDGLCKENIEHNSSTSTFCGTPEYLA 264
DB 219 EIASALGYLHSLNIVYRDLPENIILDSQGHIVLTDGLCKENIEHNSSTSTFCGTPEYLA 278
QY 265 APEVLHKQPYDRIVYDWMCLGAVLYEMLYGLPPFYSRNTAEVYDNIINKPLQKKNITNSAR 324
DB 279 APEVLHKQPYDRIVYDWMCLGAVLYEMLYGLPPFYSRNTAEVYDNIINKPLQKKNITNSAR 338
QY 325 RHLEGLQKQRTKRLGAKDPMFEEKSHVFFSLINMDLILNKITPPENPNVSGPNLRRH 384
DB 339 RHLEGLQKQRTKRLGAKDPMFEEKSHVFFSLINMDLILNKITPPENPNVSGPNLRRH 398
QY 385 FDEFEPEVPNSIGKSPDSVLTASYKEAAEAFLGSYAPPTDSFL 431
DB 399 FDEFEPEVPNSIGKSPDSVLTASYKEAAEAFLGSYAPPTDSFL 445

RESULT 10
US-10-094-749-1861
Sequence 1861, Application US/10094749
Publication No. US20030219741A1
GENERAL INFORMATION:
APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WAKAMATSU, AI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUUKO
APPLICANT: HIO, YURI
APPLICANT: OTSUKA, KAORU
APPLICANT: NAGAI, KEIICHI
APPLICANT: IRIE, RYOTARO
APPLICANT: TAMECHIKA, ICHIRO
APPLICANT: SEKI, NAOHIKO
APPLICANT: YOSHITAKA, TATSUOMI
APPLICANT: OTSUKA, MOTOTYUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
FILE REFERENCE: 084335/0160
CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 1861
LENGTH: 526
TYPE: PRT
ORGANISM: Homo sapiens
US-10-094-749-1861

Query Match 94.6%; Score 2148; DB 15; Length 526;
Best Local Similarity 99.8%; Pred. No. 9.1e-167;
Matches 405; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 26 AFMKQRMGLNDPFIQKIANNVYCKHPEVOSIIKISQPOPELNMNANPSPSPSQOINL 85
DB 121 AFMKQRMGLNDPFIQKIANNVYCKHPEVOSIIKISQPOPELNMNANPSPSPSQOINL 180
QY 86 GPSSNPNAKPSDFHFLKVIKIGKSPGKVLARHKAEEVFAVKYLQKKAIIKKKEEKIIMS 145
DB 181 GPSSNPNAKPSDFHFLKVIKIGKSPGKVLARHKAEEVFAVKYLQKKAIIKKKEEKIIMS 240
QY 146 ERNVLLKNVYKHPFLVGLHFSFQTADKLYFVLVYINGGELFYHLQRRRCFLEPRARFYAAE 205
DB 241 ERNVLLKNVYKHPFLVGLHFSFQTADKLYFVLVYINGGELFYHLQRRRCFLEPRARFYAAE 300
QY 206 IASALGYLHSLNIVYRDLPENIILDSQGHIVLTDGLCKENIEHNSSTSTFCGTPEYLA 265
DB 301 IASALGYLHSLNIVYRDLPENIILDSQGHIVLTDGLCKENIEHNSSTSTFCGTPEYLA 360
QY 266 PEVLHKQPYDRIVYDWMCLGAVLYEMLYGLPPFYSRNTAEVYDNIINKPLQKKNITNSAR 325
DB 361 PEVLHKQPYDRIVYDWMCLGAVLYEMLYGLPPFYSRNTAEVYDNIINKPLQKKNITNSAR 420
QY 326 RHLEGLQKQRTKRLGAKDPMFEEKSHVFFSLINMDLILNKITPPENPNVSGPNLRRH 385
DB 421 RHLEGLQKQRTKRLGAKDPMFEEKSHVFFSLINMDLILNKITPPENPNVSGPNLRRH 480
QY 386 FDEFEPEVPNSIGKSPDSVLTASYKEAAEAFLGSYAPPTDSFL 431
DB 481 FDEFEPEVPNSIGKSPDSVLTASYKEAAEAFLGSYAPPTDSFL 526

RESULT 11
US-10-131-410-104
Sequence 104, Application US/10131410
Publication No. US20030235915A1
GENERAL INFORMATION:
APPLICANT: SPECHT, THOMAS
APPLICANT: HINZMANN, BERND
APPLICANT: SCHMITT, ARMIN
APPLICANT: PILARSKY, CHRISTIAN
APPLICANT: DAHL, EDGAR
APPLICANT: ROSENTHAL, ANDRE
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
FILE REFERENCE: SCH-1763
CURRENT APPLICATION NUMBER: US/10/131,410
CURRENT FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: 09/646,673
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: PCT/DE99/00908
PRIOR FILING DATE: 1999-03-19
NUMBER OF SEQ ID NOS: 202
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 104
LENGTH: 388
TYPE: PRT
ORGANISM: Homo sapiens
US-10-131-410-104

Query Match 88.5%; Score 2009; DB 15; Length 388;
Best Local Similarity 99.7%; Pred. No. 1.4e-155;
Matches 379; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 52 PEVOSIIKISQPOPELNMNANPSPSPSQOINLGSSNPNAKPSDFHFLKVIKIGKSPGK 111

Mon Sep 20 13:15:27 2004

us-10-000-039a-2.rapb

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Db      9 PEVQSIILKISQPCPEELIMANPSPPPSQOINLGSSNPRAKPSDFHLKVIKGSFGK 68
Qy      112 VILARHAAEEYFVAVKVLQOKAIIKKKEKHIMSERNVLLKNVGPFLVGLHFSQJADK 171
Db      69 VILARHAAEEYFVAVKVLQOKAIIKKKEKHIMSERNVLLKNVGHFPLVGLHFSQJADK 128
Qy      172 LYPVLADYINGGELFYHLOQRERCFLEPRARFYAAEIASALGYLHSLNIVYRDLKKNITLTD 231
Db      129 LYPVLADYINGGELFYHLOQRERCFLEPRARFYAAEIASALGYLHSLNIVYRDLKKNITLTD 188
Qy      232 SQGHIVITDFGLCKENIEHNSSTSTFCGTPREYLAPEVLHKOPRYRTYDWMCLGAVLYEML 291
Db      189 SQGHIVITDFGLCKENIEHNSSTSTFCGTPREYLAPEVLHKOPRYRTYDWMCLGAVLYEML 248
Qy      292 YGLPPFSRNTAEAYDNLINKPLQKPYITNSARHLLEGLOKDRTKLGAKDPMETKS 351
Db      249 YGLPPFSRNTAEAYDNLINKPLQKPYITNSARHLLEGLOKDRTKLGAKDPMETKS 308
Qy      352 HVFSLINMDLINKKITPPNPVNSGPNELRHPDEPTEBPVNSIGKSPDSVLTASV 411
Db      309 HVFSLINMDLINKKITPPNPVNSGPNELRHPDEPTEBPVNSIGKSPDSVLTASV 368
Qy      412 KEAAEAPLGFSAVAPPTDSFL 431
Db      369 KEAAEAPLGFSAVAPPTDSFL 388

RESULT 12
US-10-217-155A-17
; Sequence 17, Application US/10217155A
; Publication No. US20030065855A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; TITLE OF INVENTION: Kinase Crystal Structures and Materials and Methods for
; TITLE OF INVENTION: Kinase Activation
; FILE REFERENCE: 44236
; CURRENT APPLICATION NUMBER: US/10/217,155A
; PRIOR FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; US-10-217-155A-17

Query Match      79.3%; Score 1799; DB 12; Length 340;
Best Local Similarity 99.7%; Pred. No. 1,6e-138;
Matches 339; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Db      181 QPYDRFTVDMWCLGAVLYEMLYGLPPFSRNTAEAYDNLINKPLQKKNITNSARHLLEG 240
Qy      332 LQKDRTKRLGAKDDFMEIKSHVFSLINMDLINKKITPPNPVNSGPNELRHPDEPTE 391
Db      241 LQKDRTKRLGAKDDFMEIKSHVFSLINMDLINKKITPPNPVNSGPNELRHPDEPTE 300
Qy      392 EPVNSIGKSPDSVLTASVKEAAEAPLGFSAVAPPTDSFL 431
Db      301 EPVNSIGKSPDSVLTASVKEAAEAPLGFSAVAPPTDSFL 340

RESULT 13
US-10-217-574-17
; Sequence 17, Application US/10217574
; Publication No. US20040005687A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; TITLE OF INVENTION: Kinase Crystal Structures
; FILE REFERENCE: 44237
; CURRENT APPLICATION NUMBER: US/10/217,574
; PRIOR FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: GB 0216215.4
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; US-10-217-574-17

Query Match      79.3%; Score 1799; DB 15; Length 340;
Best Local Similarity 99.7%; Pred. No. 1,6e-138;
Matches 339; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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; Sequence 17, Application US/10217555
; Publication No. US2004009569A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures and Methods for
; TITLE OF INVENTION: Kinase Activation
; FILE REFERENCE: 44236
; CURRENT APPLICATION NUMBER: US/10/217,555
; CURRENT FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: GB 011960.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; OTHER INFORMATION: uncertain
US-10-217-555-17

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Query Match          79.3%; Score 1799; DB 15; Length 340;
Best Local Similarity 99.7%; Pred. No. 1,6e-138;
Matches 339; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 92 HAKSDPHFLKVIKSGSFGKVLARHKAEEVFAVKVLOKKAIIKKKEKHIMSEKRVLL 151
   1 HAKSDPHFLKVIKSGSFGKVLARHKAEEVFAVKVLOKKAIIKKKEKHIMSEKRVLL 60
DB 152 KNVGHPPLVGLHPSFQTAADKLFPVLDYINGGELFYHLQRECFLEPRARFYAAEIASALG 211
   61 KNVGHPPLVGLHPSFQTAADKLFPVLDYINGGELFYHLQRECFLEPRARFYAAEIASALG 120
QY 212 YIHSINIVYBDIKENITLDSOGHIVLTDRGLCKENIENHSTSTGCTGEYLAPEVIAK 271
   121 YIHSINIVYBDIKENITLDSOGHIVLTDRGLCKENIENHSTSTGCTGEYLAPEVIAK 180
DB 272 QPYDRTVDMWCLGAVLYEMLYGLPPFYSRNTAEWYDNLINKPLQKKNITNSARHLEGL 331
   181 QPYDRTVDMWCLGAVLYEMLYGLPPFYSRNTAEWYDNLINKPLQKKNITNSARHLEGL 240
QY 332 LQKDIRTLGAKDDPMEIKSHVFPSSLINWDDLINIKITPPPNVSGPNEIRHFPPEFT 391
   241 LQKDIRTLGAKDDPMEIKSHVFPSSLINWDDLINIKITPPPNVSGPNEIRHFPPEFT 300
DB 392 EPPVNSIGKSPDSVLTAVSYKAAEAFLGFSYAAPPTDSFL 431
   301 EPPVNSIGKSPDSVLTAVSYKAAEAFLGFSYAAPPTDSFL 340

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RESULT 15
US-10-664-421--85
; Sequence 85, Application US/10664421
; Publication No. US20040142864A1
; GENERAL INFORMATION:
; APPLICANT: BREMER, RYAN
; APPLICANT: IBRAHIM, PRAEHA
; APPLICANT: KUMAR, ABHINAV
; APPLICANT: MANDIYAN, VALSAN
; APPLICANT: MILBURN, MICHAEL V.
; TITLE OF INVENTION: CRYSTAL STRUCTURE OF PIM-1 KINASE
; FILE REFERENCE: 039363/0703
; CURRENT APPLICATION NUMBER: US/10/664,421
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: 60/412,341
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/411,398

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; PRIOR FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 169
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 85
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-664-421-85

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Query Match          72.0%; Score 1635; DB 16; Length 308;
Best Local Similarity 100.0%; Pred. No. 3.5e-125;
Matches 308; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 48 ACKHPEVOSILKISQPEBEIMANPSPSPSQOINLGPSSNPHAKSDPHFLKVIKSG 107
   1 ACKHPEVOSILKISQPEBEIMANPSPSPSQOINLGPSSNPHAKSDPHFLKVIKSG 60
DB 108 SPKVLARHKAEEVFAVKVLOKKAIIKKKEKHIMSEKRVLLKNVGHPLVGLHPSFQ 167
   61 SPKVLARHKAEEVFAVKVLOKKAIIKKKEKHIMSEKRVLLKNVGHPLVGLHPSFQ 120
QY 168 TADKLFPVLDYINGGELFYHLQRECFLEPRARFYAAEIASALGYLHSLNIVYDLPKEN 227
   121 TADKLFPVLDYINGGELFYHLQRECFLEPRARFYAAEIASALGYLHSLNIVYDLPKEN 180
DB 228 ILLDSOGHIVLTDRGLCKENIENHSTSTGCTGEYLAPEVIAKOPYDRTVDMWCLGAVL 287
   181 ILLDSOGHIVLTDRGLCKENIENHSTSTGCTGEYLAPEVIAKOPYDRTVDMWCLGAVL 240
QY 288 YEMLYGLPPFYSRNTAEWYDNLINKPLQKKNITNSARHLEGLLQKDIRTLGAKDDP 347
   241 YEMLYGLPPFYSRNTAEWYDNLINKPLQKKNITNSARHLEGLLQKDIRTLGAKDDP 300
DB 348 EIKSHVFP 355
   301 EIKSHVFP 308

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Search completed: September 15, 2004, 14:53:13
Job time : 216.176 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Comugen Ltd.

OM protein - protein search, using sw model

Run on: September 15, 2004, 14:21:54 ; Search time 57.3433 Seconds
(without alignments)
388.027 Million cell updates/sec

Title: US-10-000-039A-2

Perfect score: 2270
Sequence: 1 MTWKEAAKGLTYSRMGM.....KEAAKFLGSAVAPDPSFL 431

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/2/iaa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query length	ID	Description
1	2270	100.0	431	US-09-031-295-2	Sequence 2, Appli
2	2254	99.3	431	US-08-712-709-5	Sequence 5, Appli
3	2254	99.3	431	US-09-111-444-5	Sequence 5, Appli
4	2254	99.3	431	US-09-541-228-5	Sequence 5, Appli
5	2204.5	97.1	430	US-08-712-709-9	Sequence 9, Appli
6	2204.5	97.1	430	US-09-111-444-9	Sequence 9, Appli
7	2204.5	97.1	430	US-09-541-228-9	Sequence 9, Appli
8	850.5	37.4	726	US-09-417-197-71	Sequence 71, Appli
9	850	37.4	480	US-09-091-058-2	Sequence 2, Appli
10	850	37.4	727	US-09-417-197-139	Sequence 139, App
11	806.5	35.5	495	US-09-430-564-2	Sequence 2, Appli
12	806.5	35.5	495	US-09-430-564-3	Sequence 3, Appli
13	803	35.4	525	US-08-749-902-7	Sequence 7, Appli
14	803	35.4	525	US-08-749-902-8	Sequence 8, Appli
15	803	35.4	525	US-09-430-564-16	Sequence 16, Appli
16	780.5	34.4	916	US-09-417-197-73	Sequence 73, Appli
17	780	34.4	637	US-09-817-310-2	Sequence 2, Appli
18	774.5	34.1	737	US-09-772-647-4	Sequence 4, Appli
19	773.5	34.1	587	US-08-313-274-2	Sequence 2, Appli
20	771	34.0	671	5266464-2	Patent No. 5266464
21	752.5	33.1	584	US-09-842-307-2	Sequence 2, Appli
22	697.5	30.7	343	US-09-394-455-38	Sequence 38, Appli
23	697.5	30.7	595	US-09-417-197-69	Sequence 69, Appli
24	692.5	30.5	350	US-09-457-040B-37	Sequence 37, Appli
25	692.5	30.5	351	US-09-457-040B-6	Sequence 6, Appli
26	691	30.4	1151	US-09-457-040B-11	Sequence 11, Appli
27	690.5	30.4	676	US-09-313-930-2	Sequence 2, Appli

28	688.5	30.3	351	4	US-09-394-455-4	Sequence 4, Appli
29	687.5	30.3	336	4	US-09-394-455-2	Sequence 3, Appli
30	687.5	30.3	343	4	US-09-394-455-34	Sequence 15, Appli
31	681.5	30.0	343	4	US-09-394-455-15	Sequence 15, Appli
32	669.5	29.5	263	4	US-07-857-224B-15	Sequence 3, Appli
33	668	29.4	942	4	US-08-685-852-3	Sequence 10, Appli
34	666.5	29.4	264	2	US-07-857-224B-10	Sequence 12, Appli
35	666	29.3	268	4	US-09-430-564-12	Sequence 12, Appli
36	665.5	29.3	264	2	US-07-857-224B-12	Sequence 13, Appli
37	661.5	29.1	263	2	US-07-857-224B-13	Sequence 17, Appli
38	661.5	29.1	264	2	US-07-857-224B-17	Sequence 14, Appli
39	658	29.0	269	2	US-07-857-224B-14	Sequence 11, Appli
40	657.5	29.0	264	2	US-07-857-224B-11	Sequence 16, Appli
41	654	28.8	269	2	US-07-857-224B-16	Sequence 6, Appli
42	649.5	28.6	258	4	US-09-430-564-6	Sequence 4, Appli
43	636.5	28.0	260	2	US-07-857-224B-3	Sequence 3, Appli
44	632.5	27.9	260	2	US-07-857-224B-3	Sequence 2, Appli
45	624.5	27.5	260	2	US-07-857-224B-2	

ALIGNMENTS

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RESULT 1
US-09-031-295-2
; Sequence 2, Application US/09031295
; Patent No. 6326181
; GENERAL INFORMATION:
; APPLICANT: LANG, Florian
; APPLICANT: WALDEGGER, Tullingen
; TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/031,295
; FILING DATE: 26-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 197-08-173.8
; FILING DATE: 28-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Sandercock, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/DOCKET NUMBER: 058315/0123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-031-295-2
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Query Match 100.0%; Score 2270; DB 4; Length 431;
Best Local Similarity 100.0%; Pred. No. 3.5e-209; Indels 0; Gaps 0;
Matches 431; Conservative 0; Mismatches 0;

QY 1 MTWKEAAKGLTYSRMGMVAIIIAFMKQRMGINDFIQKIANNSYACGHEVQSILKI 60
DB 1 MTWKEAAKGLTYSRMGMVAIIIAFMKQRMGINDFIQKIANNSYACGHEVQSILKI 60
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QY 61 SQOPEELMANANSPSPSPSQOINLGPSSNPHAKPSDFHFLKVTIGKSGFGKVLAAHKA 120
Db 61 SQOPEELMANANSPSPSPSQOINLGPSSNPHAKPSDFHFLKVTIGKSGFGKVLAAHKA 120
QY 121 EYVYAVKVTLOKAKIILKKKEKHIMSERNVLLKNVKKHPIVLGHFSFQTADKLYFVLDYIN 180
Db 121 EYVYAVKVTLOKAKIILKKKEKHIMSERNVLLKNVKKHPIVLGHFSFQTADKLYFVLDYIN 180
QY 181 GGELEFYHLQRECFLEPRARFYAAETASALGYLHSINTVYRDLPENIILDSQGHVLTLD 240
Db 181 GGELEFYHLQRECFLEPRARFYAAETASALGYLHSINTVYRDLPENIILDSQGHVLTLD 240
QY 241 FGLCKENIENHSTSTFCGTPETYLAEVILHKOYDRTVDMWCGAVLYEMLYGLPEFYSR 300
Db 241 FGLCKENIENHSTSTFCGTPETYLAEVILHKOYDRTVDMWCGAVLYEMLYGLPEFYSR 300
QY 301 NTAEWMDNINLKPLOLKPNTINSARHLLGGLQKDRTRKLGAKDMEIKSHVFSLINW 360
Db 301 NTAEWMDNINLKPLOLKPNTINSARHLLGGLQKDRTRKLGAKDMEIKSHVFSLINW 360
QY 361 DDLINKKITPPENPNVSGPNEIHFDPDEFTEBPVNSIGKSPDSVLYVTASVKEAAAFIIG 420
Db 361 DDLINKKITPPENPNVSGPNEIHFDPDEFTEBPVNSIGKSPDSVLYVTASVKEAAAFIIG 420
QY 421 FSYAPPTDSFL 431
Db 421 FSYAPPTDSFL 431

RESULT 2

US-08-712-709-5
Sequence 5, Application US/08712709
Patent No. 5863780

GENERAL INFORMATION:

APPLICANT: Au-Young, Janice
APPLICANT: Guegler, Karl J.
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA

COUNTRY: U.S.
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/712,709
FILING DATE: Filed Herewith

ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J

REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:

LENGTH: 431 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
IMMEDIATE SOURCE:

LIBRARY:
CLONE: Consensus

US-08-712-709-5

Query Match 99.3%; Score 2254; DB 2; Length 431;
Best Local Similarity 99.3%; Pred. No. 1,2e-207;
Matches 428; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MVTKEAKGTLVYSRMGVVALITIAFMKORRGANDFLOKIANNSYACKHPEVQSIILKI 60
Db 1 MAVKTBAGKTLVYSRMGVVALITIAFMKORRGANDFLOKIANNSYACKHPEVQSIILKI 60
QY 61 SQOPEELMANANSPSPSPSQOINLGPSSNPHAKPSDFHFLKVTIGKSGFGKVLAAHKA 120
Db 61 SQOPEELMANANSPSPSPSQOINLGPSSNPHAKPSDFHFLKVTIGKSGFGKVLAAHKA 120
QY 121 EYVYAVKVTLOKAKIILKKKEKHIMSERNVLLKNVKKHPIVLGHFSFQTADKLYFVLDYIN 180
Db 121 EYVYAVKVTLOKAKIILKKKEKHIMSERNVLLKNVKKHPIVLGHFSFQTADKLYFVLDYIN 180
QY 181 GGELEFYHLQRECFLEPRARFYAAETASALGYLHSINTVYRDLPENIILDSQGHVLTLD 240
Db 181 GGELEFYHLQRECFLEPRARFYAAETASALGYLHSINTVYRDLPENIILDSQGHVLTLD 240
QY 241 FGLCKENIENHSTSTFCGTPETYLAEVILHKOYDRTVDMWCGAVLYEMLYGLPEFYSR 300
Db 241 FGLCKENIENHSTSTFCGTPETYLAEVILHKOYDRTVDMWCGAVLYEMLYGLPEFYSR 300
QY 301 NTAEWMDNINLKPLOLKPNTINSARHLLGGLQKDRTRKLGAKDMEIKSHVFSLINW 360
Db 301 NTAEWMDNINLKPLOLKPNTINSARHLLGGLQKDRTRKLGAKDMEIKSHVFSLINW 360
QY 361 DDLINKKITPPENPNVSGPNEIHFDPDEFTEBPVNSIGKSPDSVLYVTASVKEAAAFIIG 420
Db 361 DDLINKKITPPENPNVSGPNEIHFDPDEFTEBPVNSIGKSPDSVLYVTASVKEAAAFIIG 420
QY 421 FSYAPPTDSFL 431
Db 421 FSYAPPTDSFL 431

RESULT 3

US-09-111-444-5
Sequence 5, Application US/09111444
Patent No. 6045792

GENERAL INFORMATION:

APPLICANT: Au-Young, Janice

APPLICANT: Guegler, Karl J.

APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA

COUNTRY: U.S.
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/111,444
FILING DATE:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/712,709

FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J

REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

```

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
US-09-111-444-5

Query Match          99.3%; Score 2254; DB 3; Length 431;
Best Local Similarity 99.3%; Pred. No. 1.2e-207;
Matches 428; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MTVTAAKGLTITSRMGMVAIIIAFMKQRMGINDFIQKIANNVACKHPEVQSIKI 60
DB 1 MAVTAAKGLTITSRMGMVAIIIAFMKQRMGINDFIQKIANNVACKHPEVQSIKI 60
QY 61 SQPQPELMANPSPSPSQOINLGPSSNPAKSDPHFLKVIKGSFGKVLARHKA 120
DB 61 SQPQPELMANPSPSPSQOINLGPSSNPAKSDPHFLKVIKGSFGKVLARHKA 120
QY 121 EVFAVAVKYLQKKAIIKKKEKHIMSERVLLKNVGHPELVGHHFSQTADKLYFVLDYIN 180
DB 121 EVFAVAVKYLQKKAIIKKKEKHIMSERVLLKNVGHPELVGHHFSQTADKLYFVLDYIN 180
QY 181 GGEIIFYHQRERCFLEPPARFYAAIAGALGYHSINTVYRDLPKENTILDSQGHIVLTD 240
DB 181 GGEIIFYHQRERCFLEPPARFYAAIAGALGYHSINTVYRDLPKENTILDSQGHIVLTD 240
QY 241 FGLCKENIEHNSSTSTFCGTPRYLAPEVLAHKOPYRTVDWMLGAVLYEMLYGLPPFYSR 300
DB 241 FGLCKENIEHNSSTSTFCGTPRYLAPEVLAHKOPYRTVDWMLGAVLYEMLYGLPPFYSR 300
QY 301 NTAEMYDNILNKPLQIKPNTINSARHLLEGLQKDKRTKLGAKDFMEIKSHVFFSLINW 360
DB 301 NTAEMYDNILNKPLQIKPNTINSARHLLEGLQKDKRTKLGAKDFMEIKSHVFFSLINW 360
QY 361 DDLINKKITPPNPVNSGPNELRHFDPEETEPVNSIGKSDSVLVTAAYKAAEAFVG 420
DB 361 DDLINKKITPPNPVNSGPNELRHFDPEETEPVNSIGKSDSVLVTAAYKAAEAFVG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 4
US-09-541-228-5
; Sequence 5, Application US/09541228
; Patent No. 6232077
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/541,228
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; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 431 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
US-09-541-228-5

Query Match          99.3%; Score 2254; DB 3; Length 431;
Best Local Similarity 99.3%; Pred. No. 1.2e-207;
Matches 428; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MTVTAAKGLTITSRMGMVAIIIAFMKQRMGINDFIQKIANNVACKHPEVQSIKI 60
DB 1 MAVTAAKGLTITSRMGMVAIIIAFMKQRMGINDFIQKIANNVACKHPEVQSIKI 60
QY 61 SQPQPELMANPSPSPSQOINLGPSSNPAKSDPHFLKVIKGSFGKVLARHKA 120
DB 61 SQPQPELMANPSPSPSQOINLGPSSNPAKSDPHFLKVIKGSFGKVLARHKA 120
QY 121 EVFAVAVKYLQKKAIIKKKEKHIMSERVLLKNVGHPELVGHHFSQTADKLYFVLDYIN 180
DB 121 EVFAVAVKYLQKKAIIKKKEKHIMSERVLLKNVGHPELVGHHFSQTADKLYFVLDYIN 180
QY 241 FGLCKENIEHNSSTSTFCGTPRYLAPEVLAHKOPYRTVDWMLGAVLYEMLYGLPPFYSR 300
DB 241 FGLCKENIEHNSSTSTFCGTPRYLAPEVLAHKOPYRTVDWMLGAVLYEMLYGLPPFYSR 300
QY 301 NTAEMYDNILNKPLQIKPNTINSARHLLEGLQKDKRTKLGAKDFMEIKSHVFFSLINW 360
DB 301 NTAEMYDNILNKPLQIKPNTINSARHLLEGLQKDKRTKLGAKDFMEIKSHVFFSLINW 360
QY 361 DDLINKKITPPNPVNSGPNELRHFDPEETEPVNSIGKSDSVLVTAAYKAAEAFVG 420
DB 361 DDLINKKITPPNPVNSGPNELRHFDPEETEPVNSIGKSDSVLVTAAYKAAEAFVG 420
QY 421 FSYAPPTDSFL 431
DB 421 FSYAPPTDSFL 431

RESULT 5
US-08-712-709-9
; Sequence 9, Application US/08712709
; Patent No. 5863780
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
```

CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/712,709
FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 294637
US-08-712-709-9

Query Match 97.1%; Score 2204.5; DB 2; Length 430;
Best Local Similarity 96.8%; Pred. No. 6,6e-203;
Matches 417; Conservative 8; Mismatches 5; Indels 1; Gaps 1;
QY 1 MTVKTEAAKGTLYSRMGVAILLAFMKORRMGLNDFIOKLANNSYACKHPEVOSILKI 60
DB 1 MTVKTEAAKGTLYSRMGVAILLAFMKORRMGLNDFIOKLANNSYACKHPEVOSILKI 60
QY 61 SOPPEELMANNPSPSPSOQINLGPSSNPFAKSDPHFLKVIIGKSGFKVILARRKAE 120
DB 61 SOPPEELMANNPSPSPSOQINLGPSSNPFAKSDPHFLKVIIGKSGFKVILARRKAE 120
QY 121 EYFYAVKVLQKKAIIKKKEEKHIMSERVLLKNVGHPLVGHFSGQTADKLYFVLDYIN 180
DB 121 EYFYAVKVLQKKAIIKKKEEKHIMSERVLLKNVGHPLVGHFSGQTADKLYFVLDYIN 180
QY 181 GGELEFYHLQRERCFLEPRARFYAAETASALGYLHSLNIVYDILKPEINILLDSQGHIVLTD 240
DB 181 GGELEFYHLQRERCFLEPRARFYAAETASALGYLHSLNIVYDILKPEINILLDSQGHIVLTD 240
QY 241 FGLCKENIEHNSSTSTFCGTPREYLAPEVLHKOYDRIVDWMCLGAVLYEMLYGLPPFYSR 300
DB 241 FGLCKENIEHNSSTSTFCGTPREYLAPEVLHKOYDRIVDWMCLGAVLYEMLYGLPPFYSR 300
QY 301 NTAEMYDNIINKPDLQKNTNSARHLLLEGLQKDRTRKLGAKDPMELKSHVPSILNW 360
DB 301 NTAEMYDNIINKPDLQKNTNSARHLLLEGLQKDRTRKLGAKDPMELKSHVPSILNW 360
QY 361 DDLINKKITPPFNPNVSGPNEIRHFDPEFTEEPVNSIGKSPDSVLVTAASYKEAAEATLG 420
DB 361 DDLINKKITPPFNPNVSGPNEIRHFDPEFTEEPVNSIGKSPDSVLVTAASYKEAAEATLG 420
QY 421 FSYAPPTDFTL 431
DB 420 FSYAPPTDFTL 430

RESULT 6
US-09-111-444-9
Sequence 9, Application US/09111444
Patent No. 6045792
GENERAL INFORMATION:

APPLICANT: Au-Young, Janice
APPLICANT: Guegler, Karl J.
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,444
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/712,709
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0118 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 294637
US-09-111-444-9

Query Match 97.1%; Score 2204.5; DB 3; Length 430;
Best Local Similarity 96.8%; Pred. No. 6,6e-203;
Matches 417; Conservative 8; Mismatches 5; Indels 1; Gaps 1;
QY 1 MTVKTEAAKGTLYSRMGVAILLAFMKORRMGLNDFIOKLANNSYACKHPEVOSILKI 60
DB 1 MTVKTEAAKGTLYSRMGVAILLAFMKORRMGLNDFIOKLANNSYACKHPEVOSILKI 60
QY 61 SOPPEELMANNPSPSPSOQINLGPSSNPFAKSDPHFLKVIIGKSGFKVILARRKAE 120
DB 61 SOPPEELMANNPSPSPSOQINLGPSSNPFAKSDPHFLKVIIGKSGFKVILARRKAE 120
QY 121 EYFYAVKVLQKKAIIKKKEEKHIMSERVLLKNVGHPLVGHFSGQTADKLYFVLDYIN 180
DB 121 EYFYAVKVLQKKAIIKKKEEKHIMSERVLLKNVGHPLVGHFSGQTADKLYFVLDYIN 180
QY 181 GGELEFYHLQRERCFLEPRARFYAAETASALGYLHSLNIVYDILKPEINILLDSQGHIVLTD 240
DB 181 GGELEFYHLQRERCFLEPRARFYAAETASALGYLHSLNIVYDILKPEINILLDSQGHIVLTD 240
QY 241 FGLCKENIEHNSSTSTFCGTPREYLAPEVLHKOYDRIVDWMCLGAVLYEMLYGLPPFYSR 300
DB 241 FGLCKENIEHNSSTSTFCGTPREYLAPEVLHKOYDRIVDWMCLGAVLYEMLYGLPPFYSR 300
QY 301 NTAEMYDNIINKPDLQKNTNSARHLLLEGLQKDRTRKLGAKDPMELKSHVPSILNW 360
DB 301 NTAEMYDNIINKPDLQKNTNSARHLLLEGLQKDRTRKLGAKDPMELKSHVPSILNW 360
QY 361 DDLINKKITPPFNPNVSGPNEIRHFDPEFTEEPVNSIGKSPDSVLVTAASYKEAAEATLG 420
DB 361 DDLINKKITPPFNPNVSGPNEIRHFDPEFTEEPVNSIGKSPDSVLVTAASYKEAAEATLG 420

QY 421 FSYAPPTDSDL 431
Db 420 FSYAPPMDSFL 430

RESULT 7

US-09-541-228-9
; Sequence 9, Application US/09541228
; Patent No. 6232077
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/541,228
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 294637
US-09-541-228-9

Query Match 97.1%; Score 2204.5; DB 3; Length 430;
Best Local Similarity 96.8%; Pred. No. 6,6e-203;
Matches 417; Conservative 8; Mismatches 5; Indels 1; Gaps 1;

QY 1 MVTKTAAGTLLTYSMKGVAIILTFMQRGMGINDFTOKANNVYACKHPEVOSILKI 60
Db 1 MVTKTAARSTLTYSHRGMVALILAFMQRGMGINDFTOKANNVYACKHPEVOSYLKI 60
QY 61 SOPOBELMANANSPSPSPSOQINLGSSNPHAKPSDFHFLKVIIGSGFGKVLAAHKA 120
Db 61 SOPOBELMANANSPSPSPSOQINLGSSNPHAKPSDFHFLKVIIGSGFGKVLAAHKA 120
QY 121 EVFYAVKVLQKAILKKKEKHIMSERNVLLKNVKKPPFVGLHFSQTAADKLYFVLDYIN 180
Db 121 BAFYAVKVLQKAILKKKEKHIMSERNVLLKNVKKPPFVGLHFSQTAADKLYFVLDYIN 180
QY 181 GGLFPHLQRECFLEPRARFYAETASALGYLHSLNIVYRDLKPNIIILDSQGHVLTND 240
Db 181 GGLFPHLQRECFLEPRARFYAETASALGYLHSLNIVYRDLKPNIIILDSQGHVLTND 240

QY 241 FGLCKENIENHSTSTSCGTEPEYLAERVLHKOPYDRTVDMWCKGAVLYEMLYGPPYSR 300
Db 241 FGLCKENIENHSTSTSCGTEPEYLAERVLHKOPYDRTVDMWCKGAVLYEMLYGPPYSR 300
QY 301 NTAEYDNIINKPPLQKPNITNSARHLEGLQKORTKRLGAKDDFMEIKSHVFESLINW 360
Db 301 NTAEYDNIINKPPLQKPNITNSARHLEGLQKORTKRLGAKDDFMEIKSHVFESLINW 360
QY 361 DDLINKKITPPENPNVSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASYKAAEAFLG 420
Db 360 DDLINKKITPPENPNVSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASYKAAEAFLG 420
QY 421 FSYAPPTDSDL 431
Db 420 FSYAPPMDSFL 430

RESULT 8

US-09-417-197-71
; Sequence 71, Application US/09417197
; Patent No. 6518021
; GENERAL INFORMATION:
; APPLICANT: Ole Thastrup, et al.
; TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An
; FILE OF INVENTION: On A Cellular Response
; FILE REFERENCE: 3759-0110P
; CURRENT APPLICATION NUMBER: US/09/417,197
; CURRENT FILING DATE: 1999-10-07
; NUMBER OF SEQ ID NOS: 143
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 71
; LENGTH: 726
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: PKB-BGFP fusion
US-09-417-197-71

Query Match 37.5%; Score 850.5; DB 4; Length 726;
Best Local Similarity 42.8%; Pred. No. 9.3e-73;
Matches 185; Conservative 72; Mismatches 132; Indels 43; Gaps 10;

QY 28 MKQRMGINDFTQK-----IANNVYACKHPE-----VOSILKISQPBELMANNP 73
Db 63 MKTERPRNTFTIRCLQWTTVIERTFPHVETPEREEMWTALQTVADGLKKQBEEDFRS 122
QY 74 SPPSPS-----QQINLGSSNPHAKP-----SDPHFLKVIIGSGFGKVLARHKAEEVF 123
Db 123 GSPSPNSGAEMEVSL-----AKPKHRYVMREFFYLKLGKTRGKVLVKEKATGRY 175
QY 124 YAVKVLQKAILKKKEKHIMSERNVLLKNVKKPPFVGLHFSQTAADKLYFVLDYINGE 183
Db 176 YAMKILKEKAVIYAKDEVNHTLLE-NRVLQNSHRPFLTALKYSFOFHDRLCFVMEVANGSE 234
QY 184 LFYHLQRECFLEPRARFYAETASALGYLHSLNIVYRDLKPNIIILDSQGHVLTNDG 242
Db 235 LPEFHLRERVFSEDAERFYGARIVSALDYLHSEKKNVYVDLKEINIMLKDGHITKTDDG 294
QY 243 LCKENIENHSTSTSCGTEPEYLAERVLHKOPYDRTVDMWCKGAVLYEMLYGPPYSRNT 302
Db 295 LCKEGIKGATINKTCGTEPEYLAERVLHENDYGRAVDNGLGVYTEMCGRLPFYINQDH 354
QY 303 AEMYDNIINKPPLQKPNITNSARHLEGLQKORTKRL-GAKDDFMEIKSHVFESLINWD 361
Db 355 EKLFEILMEELRFPRTLGPEKSLISGLTKKDPKQRLGGSGSDAKIEIMHRRFAAGIVWQ 414
QY 362 DLINKKITPPENPNVSGPNELRHFDPEFTEEPVNSIGKSPDSVLTASYKAAEAFLGF 421
Db 415 HYEEKLSPFPQVYVSETDTRFYDEEFTAOIMTTPPDQDSMBCVDS--ERRPHFPQF 472
QY 422 SYA-----PP 426
Db 473 STSASTASDDP 484

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RESULT 9
US-09-091-058-2
; Sequence 2, Application US/09091058
; Patent No. 6054285
; GENERAL INFORMATION:
; APPLICANT: Hemmings, Brian A.
; TITLE OF INVENTION: Screening Method
; FILE REFERENCE: 4-20683/A/20684/PCP
; CURRENT APPLICATION NUMBER: US/09/091.058
; EARLIER FILING DATE: 1998-06-10
; EARLIER APPLICATION NUMBER: PCT/EP96/04814
; EARLIER FILING DATE: 1996-11-05
; EARLIER APPLICATION NUMBER: 9525703.6
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-091-058-2

Query Match      37.4%; Score 850; DB 3; Length 480;
Best Local Similarity 43.3%; Pred. No. 5.7e-73;
Matches 183; Conservative 72; Mismatches 132; Indels 36; Gaps 9;

QY 28 MKCRMGNDLFIQK-----IANNVACKHP-----VQILKISQFQPELNNANP 73
DB 63 MKTERPRPNTFIRCLQMTVTIERTPHVETPEREEMTTALQVADGLKQEEEMDFRS 122
QY 74 SPPSPS-----QOINGPSNPHAKP-----SDHFLLVIGSGFGKYLARHKAEEVF 123
DB 123 GSPSDNSGABEMEVSL-----AKPKHRYVMNEFFYKLGLGKGTGVKVLVKEKATGRY 175
QY 124 YAVKVLQKKAALKKKEKHIMSERNVLLKNVKKPFLVGHFSPQADKLYFVLDYINGGE 183
DB 176 YAMKILKEVIVAKDVAHTLLE-NRVLQNSRHPLTALKYSQTHDRICFTWEYANGGE 234
QY 184 LPHLQRECFLEPPARFYAAETASALGYLHS-LNIVYDLPKENTILDSQGHIVLTDPG 242
DB 235 LFFHLSREVFSEDRARFYGAETVSALDYLSHEKVVYRDLKLEMLMDKHIKITDPRG 294
QY 243 LCKENIHNSSTSTPGCTPEYLAPRYLHKQPYDRYDVMCLGAVLYEMLYGDPPEFSRNT 302
DB 295 LCKEGIKDQATMKTFGCTPEYLAPEVLENDYGRAVDMGLGVVMYEMMCGRLPFYNQDH 354
QY 303 AEMYDNIILNKPLQLKPNITNSARHLLGLLQKDRTRL-GAKDDFMEIKSHVFFSLIND 361
DB 355 EKLFELLIMEIRFPRTLGPBAKSLISGLKKDPRQRLGGSEDAKEIMQHFFAGIVQ 414
QY 362 DLINKKITPPENPNVSGPNELRHDPDEFTEPEVNSIGSPSVLTVASVKEAABAFGLF 421
DB 415 HYEEKKLSPPEKQVYSETDTRYFDEEFTAQMITTPPDQDMSMCVDS--ERRPHFPGF 472
QY 422 SYA 424
DB 473 SYS 475

RESULT 10
US-09-417-197-139
; Sequence 139, Application US/09417197
; Patent No. 6518021
; GENERAL INFORMATION:
; APPLICANT: Oie Thastrup, et al.
; TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
; FILE REFERENCE: 3759-0110P
; CURRENT APPLICATION NUMBER: US/09/417.197
; CURRENT FILING DATE: 1999-10-07
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; NUMBER OF SEQ ID NOS: 143
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 139
; LENGTH: 727
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: EGFP-PKB fusion
US-09-417-197-139

Query Match      37.4%; Score 850; DB 4; Length 727;
Best Local Similarity 43.3%; Pred. No. 1e-72;
Matches 183; Conservative 72; Mismatches 132; Indels 36; Gaps 9;

QY 28 MKCRMGNDLFIQK-----IANNVACKHP-----VQILKISQFQPELNNANP 73
DB 310 MKTERPRPNTFIRCLQMTVTIERTPHVETPEREEMTTALQVADGLKQEEEMDFRS 369
QY 74 SPPSPS-----QOINGPSNPHAKP-----SDHFLLVIGSGFGKYLARHKAEEVF 123
DB 370 GSPSDNSGABEMEVSL-----AKPKHRYVMNEFFYKLGLGKGTGVKVLVKEKATGRY 422
QY 124 YAVKVLQKKAALKKKEKHIMSERNVLLKNVKKPFLVGHFSPQADKLYFVLDYINGGE 183
DB 423 YAMKILKEVIVAKDVAHTLLE-NRVLQNSRHPLTALKYSQTHDRICFTWEYANGGE 481
QY 184 LPHLQRECFLEPPARFYAAETASALGYLHS-LNIVYDLPKENTILDSQGHIVLTDPG 242
DB 482 LFFHLSREVFSEDRARFYGAETVSALDYLSHEKVVYRDLKLEMLMDKHIKITDPRG 541
QY 243 LCKENIHNSSTSTPGCTPEYLAPRYLHKQPYDRYDVMCLGAVLYEMLYGDPPEFSRNT 302
DB 542 LCKEGIKDQATMKTFGCTPEYLAPEVLENDYGRAVDMGLGVVMYEMMCGRLPFYNQDH 601
QY 303 AEMYDNIILNKPLQLKPNITNSARHLLGLLQKDRTRL-GAKDDFMEIKSHVFFSLIND 361
DB 602 EKLFELLIMEIRFPRTLGPBAKSLISGLKKDPRQRLGGSEDAKEIMQHFFAGIVQ 661
QY 362 DLINKKITPPENPNVSGPNELRHDPDEFTEPEVNSIGSPSVLTVASVKEAABAFGLF 421
DB 662 HYEEKKLSPPEKQVYSETDTRYFDEEFTAQMITTPPDQDMSMCVDS--ERRPHFPGF 719
QY 422 SYA 424
DB 720 SYS 722

RESULT 11
US-09-430-564-2
; Sequence 2, Application US/09430564
; Patent No. 6372467
; GENERAL INFORMATION:
; APPLICANT: John Blenis
; APPLICANT: Kay K. Lee-Fruman
; TITLE OF INVENTION: p54S6K AND p85S6K GENES, PROTEINS,
; FILE REFERENCE: 00246/506002
; CURRENT APPLICATION NUMBER: US/09/430.564
; CURRENT FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 60/106,141
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 482
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-430-564-2

Query Match      35.5%; Score 806.5; DB 4; Length 482;
Best Local Similarity 44.3%; Pred. No. 8.5e-69;
Matches 172; Conservative 66; Mismatches 111; Indels 39; Gaps 12;
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Db 194 TACFYLAELISMALGHILHOKGIIYRDLKPEINMLNHQGHVLTDPGLCKESIHDGVTHTF 253
Qy 258 CGPEYLAPEVLIHKQYDRVDWMCIGAVLYEMLYGPPYSENTAMYNILNKPLQK 317
Db 254 CGTIEYMAPEILMRSGHNRAVDWMSIGALMYDMLTGAPPTGENRKKTTIDILKCKINLP 313
Qy 318 PNITNSARHLLBGLQKDRTRKLG-KDPMELKSHVFESLINMDDLINKKTPPPPNV 376
Db 314 PYLTQEARDLKLLKRNNAASRLGAGPGDAGEVQAHFFPHINMELLARKVEPPFKPL 373
Qy 377 SGPNELRHDPPEFTEE-PVPNSIGKSPSVLYTASVKEAAEALFGSYAPT 427
Db 374 QSEBVDVSQFDSKFTROTPTV-----DSPDDSTLSSES--ANOVFLGFTYVAPS 417

RESULT 14
US-08-749-902-8
Sequence 8, Application US/08749902
Patent No. 5985635
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL HUMAN SERINE/THREONINE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/749,902
FILING DATE: Filed Herewith
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy T.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0150 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 525 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1562
US-08-749-902-8

Query Match 35.4%; Score 803; DB 2; Length 525;
Best Local Similarity 46.3%; Pred. No. 2.1e-68;
Matches 163; Conservative 64; Mismatches 105; Indels 20; Gaps 9;

Qy 83 INLGPSSNPHAKPSDFHFLKVLIGKSPFGKVLARH-----KAEVFAVAVLQKALIKK- 137
Db 79 VNRGPEK--IRPECFELLRLVIGKGGYGVFQVRKVTGANTGKIF-AMKVLKKAMIVRNA 134
Qy 138 KKKKIMSRNVLKNVKKHPLVLGHHFSFQADKLYFVLIDYINGELFYHLQRERCFLP 197

Db 135 KQTAHTKAEKNT-LEEVKHPFIYDLIYAPOTGKYLILEYLSGGLFMQLEBREGIMED 193
Qy 198 RARFYAAELIASALGIYHSINIVYRDLKPENILLDSQGHVLTDPGLCKENIEHNSITSTF 257
Db 194 TACFYLAELISMALGHILHOKGIIYRDLKPEINMLNHQGHVLTDPGLCKESIHDGVTHTF 253
Qy 258 CGPEYLAPEVLIHKQYDRVDWMCIGAVLYEMLYGPPYSENTAMYNILNKPLQK 317
Db 254 CGTIEYMAPEILMRSGHNRAVDWMSIGALMYDMLTGAPPTGENRKKTTIDILKCKINLP 313
Qy 318 PNITNSARHLLBGLQKDRTRKLG-KDPMELKSHVFESLINMDDLINKKTPPPPNV 376
Db 314 PYLTQEARDLKLLKRNNAASRLGAGPGDAGEVQAHFFPHINMELLARKVEPPFKPL 373
Qy 377 SGPNELRHDPPEFTEE-PVPNSIGKSPSVLYTASVKEAAEALFGSYAPT 427
Db 374 QSEBVDVSQFDSKFTROTPTV-----DSPDDSTLSSES--ANOVFLGFTYVAPS 417

RESULT 15
US-09-430-564-16
Sequence 16, Application US/09430564
Patent No. 6372467
GENERAL INFORMATION:
APPLICANT: John Blenis
APPLICANT: Kay K. Lee-Fruman
APPLICANT: Calvin J. Kuo
TITLE OF INVENTION: P54SK AND P85SK GENES, PROTEINS,
TITLE OF INVENTION: PRIMERS, PROBES, AND DETECTION METHODS
FILE REFERENCE: 00246/506002
CURRENT APPLICATION NUMBER: US/09/430,564
CURRENT FILING DATE: 1999-10-29
PRIORITY APPLICATION NUMBER: 60/106,141
PRIOR FILING DATE: 1998-10-29
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 16
LENGTH: 525
TYPE: PRT
ORGANISM: Homo sapiens
US-09-430-564-16

Query Match 35.4%; Score 803; DB 4; Length 525;
Best Local Similarity 46.3%; Pred. No. 2.1e-68;
Matches 163; Conservative 64; Mismatches 105; Indels 20; Gaps 9;

Qy 83 INLGPSSNPHAKPSDFHFLKVLIGKSPFGKVLARH-----KAEVFAVAVLQKALIKK- 137
Db 79 VNRGPEK--IRPECFELLRLVIGKGGYGVFQVRKVTGANTGKIF-AMKVLKKAMIVRNA 134
Qy 138 KKKKIMSRNVLKNVKKHPLVLGHHFSFQADKLYFVLIDYINGELFYHLQRERCFLP 197
Db 135 KQTAHTKAEKNT-LEEVKHPFIYDLIYAPOTGKYLILEYLSGGLFMQLEBREGIMED 193
Qy 198 RARFYAAELIASALGIYHSINIVYRDLKPENILLDSQGHVLTDPGLCKENIEHNSITSTF 257
Db 194 TACFYLAELISMALGHILHOKGIIYRDLKPEINMLNHQGHVLTDPGLCKESIHDGVTHTF 253
Qy 258 CGPEYLAPEVLIHKQYDRVDWMCIGAVLYEMLYGPPYSENTAMYNILNKPLQK 317
Db 254 CGTIEYMAPEILMRSGHNRAVDWMSIGALMYDMLTGAPPTGENRKKTTIDILKCKINLP 313
Qy 318 PNITNSARHLLBGLQKDRTRKLG-KDPMELKSHVFESLINMDDLINKKTPPPPNV 376
Db 314 PYLTQEARDLKLLKRNNAASRLGAGPGDAGEVQAHFFPHINMELLARKVEPPFKPL 373
Qy 377 SGPNELRHDPPEFTEE-PVPNSIGKSPSVLYTASVKEAAEALFGSYAPT 427
Db 374 QSEBVDVSQFDSKFTROTPTV-----DSPDDSTLSSES--ANOVFLGFTYVAPS 417

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Perfect score: 2370
Sequence: 1 CACGAGGAGCGTACGTC.....AAAAAAAAAAAAAAAAA 2370

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Gapop 10.0 , Gapext 1.0

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
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- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq2:*
- 14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2370	100.0	2370	9	US-09-969-347-214
2	2370	100.0	2370	9	US-09-880-107-3855
3	2370	100.0	2370	15	US-10-000-039-1
4	2370	100.0	2370	16	US-10-353-690-11
5	2312.6	97.6	2343	13	US-10-403-161-1
6	2312.6	97.6	2354	15	US-10-210-120-22
7	2304.8	97.2	2365	9	US-09-981-353-6
8	2262.8	95.5	2311	9	US-09-810-808-6
9	2262.8	95.5	2311	16	US-10-305-720-772
10	2201	92.9	3196	16	US-10-094-749-222
11	2140.8	90.3	2281	16	US-10-131-410-39
12	1419.6	59.9	2435	16	US-10-191-803-117
13	1289.8	54.4	1315	13	US-10-403-161-3
14	1218.2	51.4	1338	15	US-10-067-977-1

15	1152.6	48.6	10573	15	US-10-067-977-3	Sequence 3, Appli
16	527.2	22.2	1366	13	US-10-221-278-68	Sequence 68, Appl
17	527.2	22.2	1366	16	US-10-291-172-68	Sequence 68, Appl
18	527.2	22.2	1456	15	US-10-119-926-20	Sequence 20, Appl
19	527.2	22.2	1812	9	US-09-971-118-1	Sequence 1, Appli
20	527.2	22.2	1812	12	US-10-380-235-5	Sequence 5, Appli
21	527.2	22.2	1812	17	US-10-429-160-51	Sequence 51, Appl
22	522	22.0	2391	13	US-10-342-887-1423	Sequence 1423, Ap
23	522	22.0	2391	13	US-10-172-118-1423	Sequence 1423, Ap
24	522	22.0	2391	16	US-10-293-027-115	Sequence 115, App
25	522	22.0	2512	9	US-09-784-249-1	Sequence 1, Appli
26	522	22.0	2572	11	US-09-764-875-302	Sequence 302, App
27	522	22.0	2702	11	US-09-764-875-148	Sequence 148, App
28	518.8	21.9	2760	14	US-10-098-841-195	Sequence 195, App
29	517.2	21.8	3984	17	US-10-755-889-41	Sequence 41, Appl
30	516.2	21.8	1333	13	US-10-296-115-370	Sequence 370, App
31	461.4	19.5	499	15	US-10-102-524-587	Sequence 587, App
32	448.6	18.9	491	10	US-09-918-995-13360	Sequence 13360, A
33	421.8	17.8	476	10	US-09-918-995-13695	Sequence 13695, A
34	408.8	17.2	423	9	US-09-925-300-860	Sequence 860, App
35	402.6	17.0	592	10	US-09-814-353-20051	Sequence 20051, A
36	400.8	16.9	447	10	US-09-918-995-15481	Sequence 15481, A
37	389.8	16.4	694	15	US-10-181-447A-55	Sequence 55, Appl
38	381.6	16.1	1510	13	US-10-262-511-139	Sequence 56, Appl
39	353.2	14.9	851	9	US-09-764-868-56	Sequence 56, Appl
40	353.2	14.9	851	11	US-09-764-875-578	Sequence 578, App
41	320.6	13.5	502	10	US-09-814-353-14487	Sequence 14487, A
42	293.4	12.4	433	9	US-09-960-352-4128	Sequence 4128, Ap
43	286.2	12.1	404	9	US-09-960-352-7426	Sequence 7426, Ap
44	285.4	12.0	3872	10	US-09-867-034-11	Sequence 11, Appl
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ALIGNMENTS

RESULT 1

US-09-969-347-214
; Sequence 214, Application US/09969347
; Patent No. US20020115085A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689250-89
; CURRENT APPLICATION NUMBER: US/09/969,347
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,598
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,604
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 318
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 214
; LENGTH: 2370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-347-214

Query Match	100.0%;	Score 2370;	DB 9;	Length 2370;
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Db	1	CACGAGGAGCGCTAAAGTCTTTCTGCTCTCCCGGTTGGTATGACGGTGAACCTGAG	60	
Qy	61	GCTCTAAGGCGCCCTCACTTCTCCAGGATGAGGCGCATGCGGAATTCATCGCT	120	
Db	61	GCTCTAAGGCGCCCTCACTTCTCCAGGATGAGGCGCATGCGGAATTCATCGCT	120	
Qy	121	TTTCATGACGACGAGGATGGGTCTGAACGACATTTATTTCAGAGATTGCCAATCACTCC	180	

Db	121	TTCTATGAAGCAGAGGAGGATGGGTCTGTAACGACTTTATTTCAGAAGATTTCGAATAACTCC	181
Qy	181	TATGCAATCAAAACACCCCTGAACTTCAGTCCATCTTTGAAGATCTCCCAACCTTCAGAGCT	241
Db	181	TATGCAATCAAAACACCCCTGAACTTCAGTCCATCTTTGAAGATCTCCCAACCTTCAGAGCT	240
Qy	241	GAGCTTATGAATGCAACCCCTTCTCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGC	300
Db	241	GAGCTTATGAATGCAACCCCTTCTCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGC	300
Qy	301	CCGTCGTCCTCATCTGCTAAACCATCTGACTTTCATCTCTTTGAAAGTGAATCGGAAG	360
Db	301	CCGTCGTCCTCATCTGCTAAACCATCTGACTTTCATCTCTTTGAAAGTGAATCGGAAG	360
Qy	361	GGCAGTTTGTGAAAGTTTCTTCTAGCAAGACACAGGCGAGAGAGTCTTCTATGCAATC	420
Db	361	GGCAGTTTGTGAAAGTTTCTTCTAGCAAGACACAGGCGAGAGAGTCTTCTATGCAATC	420
Qy	421	AAAGTTTTACAGAAAGCAATCTTGAAAAAGAAAGAGAGACATATTATGTCGGAG	480
Db	421	AAAGTTTTACAGAAAGCAATCTTGAAAAAGAAAGAGAGAGACATATTATGTCGGAG	480
Qy	481	CGGAATGTTCTGTTGAAGATGTGAAGACCCCTTCTCTGGTGGGCTTCACTTCTTTTC	540
Db	481	CGGAATGTTCTGTTGAAGATGTGAAGACCCCTTCTCTGGTGGGCTTCACTTCTTTTC	540
Qy	541	CAGACTGCTGACAAATTGTACTTTTGTCTCTAGACTACATTAATGTTGGAGAGTGTCTTAC	600
Db	541	CAGACTGCTGACAAATTGTACTTTTGTCTCTAGACTACATTAATGTTGGAGAGTGTCTTAC	600
Qy	601	CATCTCAGAGGGAACGCTGCTTCTCTGGAAACACGGGCTCCGTTCTATGCTGCTGAATA	660
Db	601	CATCTCAGAGGGAACGCTGCTTCTCTGGAAACACGGGCTCCGTTCTATGCTGCTGAATA	660
Qy	661	GCCAGTGCCTTGGGCTAGCTGCATCTCTGAACTCGTTTATAGAGACTTAAAAACAGAG	720
Db	661	GCCAGTGCCTTGGGCTAGCTGCATCTCTGAACTCGTTTATAGAGACTTAAAAACAGAG	720
Qy	721	AATATTTTGTAGATTACAGGGGACATGCTCTTACTGATTTTCGGACTTCGCAAGGAG	780
Db	721	AATATTTTGTAGATTACAGGGGACATGCTCTTACTGATTTTCGGACTTCGCAAGGAG	780
Qy	781	AACATTGAAACACAGCACAACTCCACTTCTGTGCGACCGCGGAGTATCTCGACCT	840
Db	781	AACATTGAAACACAGCACAACTCCACTTCTGTGCGACCGCGGAGTATCTCGACCT	840
Qy	841	GAGTGTCTTATAGAGCCTTATGACAGACTGTGACTGGTGGTGCCTGGGAGCTGTC	900
Db	841	GAGTGTCTTATAGAGCCTTATGACAGACTGTGACTGGTGGTGCCTGGGAGCTGTC	900
Qy	901	TTGTATCAGATGCTGTATGCTGCCCTTTTATAGCCGAACACAGCTGAATGTAC	960
Db	901	TTGTATCAGATGCTGTATGCTGCCCTTTTATAGCCGAACACAGCTGAATGTAC	960
Qy	961	GACAACTTCTGAACAGCCTCTCCAGCTGAAACCAATATTAACAAATTCGCAAGACAC	1020
Db	961	GACAACTTCTGAACAGCCTCTCCAGCTGAAACCAATATTAACAAATTCGCAAGACAC	1020
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Db	1021	CTCCTGGAGGCTCTCTGCAAGAGGACAGGACAAAGCGTTCGGGGCCAAAGGATGATTC	1080
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Db	1141	AAGATTACTCCCTTTTAAACCAAAATGTGAGTGGGCCCAACAGAGCTACGGCACTTTGAC	1200
Qy	1201	CCGAGTTTACGAAGAGCTGTCCCAACTCTCATTTGGCAAGTCCCTGACAGGCTCTC	1260
Db	1201	CCGAGTTTACGAAGAGCTGTCCCAACTCTCATTTGGCAAGTCCCTGACAGGCTCTC	1260

Qy	1261	GTCA	CAGCCAGCGTCAAGGAAGCTGCCGAGCGCTTTCCTAGGCTTTTCCTATAGCGCTCC	1320
Db	1261	GTCA	CAGCCAGCGTCAAGGAAGCTGCCGAGCGCTTTCCTAGGCTTTTCCTATAGCGCTCC	1320
Qy	1321	ACGAC	TCTTTTCCCTCTGAACCCCTGTATAGGCGTTGGTTTAAAGATTTTATGTGTGTTTC	1380
Db	1321	ACGAC	TCTTTTCCCTCTGAACCCCTGTATAGGCGTTGGTTTAAAGATTTTATGTGTGTTTC	1380
Qy	1381	CGAAT	TGTTTAGTTAGCTCTTGGTGAGCGCGCAGCTGCACAGGACATCTTACAAGAGAA	1440
Db	1381	CGAAT	TGTTTAGTTAGCTCTTGGTGAGCGCGCAGCTGCACAGGACATCTTACAAGAGAA	1440
Qy	1441	TTTGCA	CATCTCTGGAAAGCTTAGCAATCTTATTATGACACATGTTTCGCTGGAAATTTTGTAA	1500
Db	1441	TTTGCA	CATCTCTGGAAAGCTTAGCAATCTTATTATGACACATGTTTCGCTGGAAATTTTGTAA	1500
Qy	1501	GAGCACA	TCTCTCTCAGCTGAGCTCATGAGGTCTTTCATTTTATTTCTTCTTCCACACGTGG	1560
Db	1501	GAGCACA	TCTCTCTCAGCTGAGCTCATGAGGTCTTTCATTTTATTTCTTCTTCCACACGTGG	1560
Qy	1561	TGCTAT	CTCTGAAACGAGCGTTAGTCCCGCCTTAGACGAGCGCAGGAGTTTCGTTTGA	1620
Db	1561	TGCTAT	CTCTGAAACGAGCGTTAGTCCCGCCTTAGACGAGCGCAGGAGTTTCGTTTGA	1620
Qy	1621	AAGCGG	ACCTGTTCTAAAAAGGCTCTCGACAGCTGTCTGGCTGTGATGACGCAATAT	1680
Db	1621	AAGCGG	ACCTGTTCTAAAAAGGCTCTCGACAGCTGTCTGGGCTGTGATGACGCAATAT	1680
Qy	1681	TATGAA	ATGTGCCCTTTCTGAAGAGATGTGTGTAGCTCCAAAGCTTTTCTATCGCAGTG	1740
Db	1681	TATGAA	ATGTGCCCTTTCTCTGAAGAGATGTGTGTAGCTCCAAAGCTTTTCTATCGCAGTG	1740
Qy	1741	TTTCAG	TCTCTTTATTTTCCCTTCTGATATGCTGTGTGAACCGTCTGTGAGTGTGGTAT	1800
Db	1741	TTTCAG	TCTCTTTATTTCCCTTCTGATATGCTGTGTGAACCGTCTGTGAGTGTGGTAT	1800
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Qy	1861	GTGGGA	CATTGTTTGTCTTCCATATTTGGGAAGATAAATTTATGTGTAGACTTTTGTGT	1920
Db	1861	GTGGGA	CATTGTTTGTCTTCCATATTTGGGAAGATAAATTTATGTGTAGACTTTTGTGT	1920
Qy	1921	AAGATAC	GGTTAATACTAAAAATTTATGCAATGGTCTTGCAATGACTCGTATTCAGATG	1980
Db	1921	AAGATAC	GGTTAATACTAAAAATTTATGCAATGGTCTTGCATGACTCGTATTCAGATG	1980
Qy	1981	CTTAAGA	AAGCAATCTCTCTCAATAATTTCTATTTTATAGAAAGGTTTTTATGGACCA	2040
Db	1981	CTTAAGA	AAGCAATCTCTCTCAATAATTTCTATTTTATAGAAAGGTTTTTATGGACCA	2040
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Db	2041	ATGCC	CCAGTTGCAGTCAGCGGTGTGGTGTCTTCAATGTTTAAATGTCACCTGTAA	2100
Qy	2101	AATGGG	CAATATTATATGTTTTTTTTTTTGCATTTCTGTATAATGTATGTATGATAAAG	2160
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Qy	2161	AAGCT	CTGTACATTTGGGTTATAACACTAGTATATTTAACTTACAGGCTTATTTGTAAAG	2220
Db	2161	AAGCT	CTGTACATTTGGGTTATAACACTAGTATATTTAACTTACAGGCTTATTTGTAAAG	2220
Qy	2221	TAAAC	CAACATTTTAATGTACTGTAAATTAACATGGTTATATACGTACAATCTTCCCTC	2280
Db	2221	TAAAC	CAACATTTTAATGTACTGTAAATTAACATGGTTATATACGTACAATCTTCCCTC	2280
Qy	2281	ATCCCA	TCACAAACTTTTTTGTGTGTGATAAAAATGTATTTTGGTTTTGCAATAAAAACCTT	2340
Db	2281	ATCCCA	TCACAACTTTTTTGTGTGTGATAAAAATGTATTTTGGTTTTGCAATAAAAACCTT	2340

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RESULT 2
US-09-880-107-3855
; Sequence 3855, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCES: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3855
; LENGTH: 2370
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 Y10032
US-09-880-107-3855

Query Match
Best Local Similarity 100.0%; Score 2370; DB 9; Length 2370;
Matches 2370; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 CACGAGGAGCGCTAACGCTCTTCTGCTCCCGCGGTGGTATGACGGTGAAACTGAG 60
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QY 61 GCTCTAAGGACACCTTCTTCTCCAGGATGAGGCGCATGTGGCAATTTCTCATCGCT 120
Db |||||||||||||||||||||||||||||||||||
61 GCTCTAAGGACACCTTCTTCTCCAGGATGAGGCGCATGTGGCAATTTCTCATCGCT 120
Db |||||||||||||||||||||||||||||||||||

QY 121 TTCATGAAGCAGAGAGAGATGGGTCTGAAACGACTTTTATTCAGAGATTTGCCAATACTCC 180
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121 TTCATGAAGCAGAGAGAGATGGGTCTGAAACGACTTTTATTCAGAGATTTGCCAATACTCC 180
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QY 181 TATGATGCAACACCTTGAAGTTCAGTCCATCTTGAAGATCTCCCACTCAGAGGCT 240
Db |||||||||||||||||||||||||||||||||||
181 TATGATGCAACACCTTGAAGTTCAGTCCATCTTGAAGATCTCCCACTCAGAGGCT 240
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QY 241 GAGCTTATGAATGCCAACCCTTCTCCCAAGTCTCTTCAGCAAAATCAACCTTGGC 300
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QY 301 CCGTCTGTCATCTCATGCTAAACCAATCTGACTTTTCACTTTGAAAGTATCGGAAAG 360
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301 CCGTCTGTCATCTCATGCTAAACCAATCTGACTTTTCACTTTGAAAGTATCGGAAAG 360
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QY 361 GGCAGTTTGAAGAGTTCTTAGCAGACACAGGCGAGAGTGTCTATGTCAGTC 420
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361 GGCAGTTTGAAGAGTTCTTAGCAGACACAGGCGAGAGTGTCTATGTCAGTC 420
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601 CATCTCCAGAGGAGCGCTGCTTCTTGGAAACCAACGGGCTCGTTTCTATGCTGCTGAAATA 660
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Db |||||||||||||||||||||||||||||||||||
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901 TTGTATGAGATGCTGTATGSCCTGCGCCCTTTTATAGCGAAACACAGCTGAAATGAC 960
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901 TTGTATGAGATGCTGTATGSCCTGCGCCCTTTTATAGCGAAACACAGCTGAAATGAC 960
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961 GACAACTTCTGAACAGCCTCTCCAGCTGAACCAAAATATACAAATTCGCAAGACAC 1020
Db |||||||||||||||||||||||||||||||||||
961 GACAACTTCTGAACAGCCTCTCCAGCTGAACCAAAATATACAAATTCGCAAGACAC 1020
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1201 CCGAGTTTACGAGAGCCTGTCCCAACTCCATTCGCAAGTCCCTCGACAGAGTCTCTC 1260
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1261 GTCAAGCCAGCGCTCAAGGAGCTGCGAGGCTTCTAGGCTTTTCTATGCGCTCTCC 1320
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1321 ACGGACTCTTCTCTGAAACCTGTAGGGGTGGTTTAAAGGATTTATGCTGTTTC 1380
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1381 CGAATGTTTATGTTAGCTTTTGTGGAGCGCCAGCTGACAGGACATCTTACAGAGAA 1440
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1441 TTTGCAATCTCTGGAAGCTTAGCAATCTTATTCACATGTTTCGCTGGAAATTTTGA 1500
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1501 GAGCAATCTCTCAGTGTGAGTCTGAGTTTTCATTTTATTTCTTCCCTCCACCTGG 1560
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1561 TGCTATCTCTGAAAGAGCGTTAGAGTCCGCTTAGACGAGCAGAGTTCCTGTTAGA 1620
QY |||||||||||||||||||||||||||||||||||
1621 AAGCGGACCTCTTCTTAAAGAGGCTCTCTGAGATCTGCTGGGCTGTGTGAGCAATAT 1680
Db |||||||||||||||||||||||||||||||||||

Db 1621 AAGCGACCTGTTCTAAAGAGGTCCTCTGCAGATCTGTCTGGGCTGTGATGACGAATAT 1680
Qy 1681 TATGAATGTCCTTTCTGAAGAGATCTGTGTAGCTCAAGACTTTTCTATCGCAGTG 1740
Db 1681 TATGAATGTCCTTTCTGAAGAGATCTGTGTAGCTCAAGACTTTTCTATCGCAGTG 1740
Qy 1741 TTTTCACTTTTATTTTCCCTTGTGATGATCTGTGTGAACCGTGTGTGAGTGTGTAT 1800
Db 1741 TTTTCACTTTTATTTTCCCTTGTGATGATCTGTGTGAACCGTGTGTGAGTGTGTAT 1800
Qy 1801 GCGTATCAGATGATTTTCTTCAATTTTGAAGATAAATTTATGTGTAGACTTTTGT 1920
Db 1861 GTGGACATTTGTTTCTTCAATTTTGAAGATAAATTTATGTGTAGACTTTTGT 1920
Qy 1921 AGATACGGTTAATAAATAAATTTATTTGAAGATGTTTGAAGATGTTTGTATGATG 1980
Db 1921 AGATACGGTTAATAAATAAATTTATTTGAAGATGTTTGAAGATGTTTGTATGATG 1980
Qy 1981 CTTAAGAAAGCATTCCTGCTACAAATTTTCTATTTTAGAAGGTTTATGACCA 2040
Db 1981 CTTAAGAAAGCATTCCTGCTACAAATTTTCTATTTTAGAAGGTTTATGACCA 2040
Qy 2041 ATGCCCCAGTTGTCTAGTCAGAGCCGTGTGTGTTTCTTATTTTAAATGTCACCTGTAA 2100
Db 2041 ATGCCCCAGTTGTCTAGTCAGAGCCGTGTGTGTTTCTTATTTTAAATGTCACCTGTAA 2100
Qy 2101 AATGGGCAATTTATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 2220
Db 2101 AATGGGCAATTTATTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 2220
Qy 2161 AACGTCGTACATTTGGGTATTAACACTAGTATATTTAACTTACAGGCTTATTTGTAATG 2280
Db 2161 AACGTCGTACATTTGGGTATTAACACTAGTATATTTAACTTACAGGCTTATTTGTAATG 2280
Qy 2221 TAAACCACTTTTAAATGCTGTAATTTAACTGTTTATATACCTTACCACTTCCCTC 2280
Db 2221 TAAACCACTTTTAAATGCTGTAATTTAACTGTTTATATACCTTACCACTTCCCTC 2280
Qy 2281 ATCCATCACAACATTTTGTGTGTGATAAATGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 2340
Db 2281 ATCCATCACAACATTTTGTGTGTGATAAATGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 2340
Qy 2341 GAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 2370
Db 2341 GAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 2370

RESULT 3
US-10-000-039-1
; Sequence 1, Application US/10000039
; Publication No. US20030003559A1
; GENERAL INFORMATION:
; APPLICANT: LANG, Florian
; WILDEGGER, Tübingen
; TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SGK
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/000,039
FILING DATE: 04-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/031,295
FILING DATE: 26-FEB-1998
APPLICATION NUMBER: DE 197-08-173.8
FILING DATE: 28-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sandercock, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 058315/0123
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2370 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 43..1335
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-000-039-1

Query Match 100.0%; Score 2370; DB 15; Length 2370;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2370; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CACGAGGAGGAGCTTAACGCTTTCTGTCTCCCGCGGTGGTGAACGGTGAAGAACTGAG 60
Qy 61 GCTGTAGGGCACCTCACCTTACTCCAGGATGAGGGCGATGGTGGCAATTTCTCATCGCT 120
Db 61 GCTGTAGGGCACCTCACCTTACTCCAGGATGAGGGCGATGGTGGCAATTTCTCATCGCT 120
Qy 121 TTCATGAGCAGCAGAGGAGGAGGCTGTGAACGACTTTTATTCAGAGATTGCCAATAAATCC 180
Db 121 TTCATGAGCAGCAGAGGAGGAGGCTGTGAACGACTTTTATTCAGAGATTGCCAATAAATCC 180
Qy 181 TATCATGCAACACCCCTGAAGTTCAGTCCATCTTGAAGATCTCCAACTCCAGAGGCT 240
Db 181 TATCATGCAACACCCCTGAAGTTCAGTCCATCTTGAAGATCTCCAACTCCAGAGGCT 240
Qy 241 GAGCTTATGAATGCAACCCCTTCTCTCCACCAAGTCTCTCAGCAAAATCAACCTTGGC 300
Db 241 GAGCTTATGAATGCAACCCCTTCTCTCCACCAAGTCTCTCAGCAAAATCAACCTTGGC 300
Qy 301 CCGTCTCCAAATCTCATGTCTTAAACCATCTGACCTTCTTTGAAAGTATCGGAAG 360
Db 301 CCGTCTCCAAATCTCATGTCTTAAACCATCTGACCTTCTTTGAAAGTATCGGAAG 360
Qy 361 GGCAGTTTTGGAAGGTTCTTCTAGCAAGACACAGGAGAGAGTGTTCATGCGATC 420
Db 361 GGCAGTTTTGGAAGGTTCTTCTAGCAAGACACAGGAGAGAGTGTTCATGCGATC 420
Qy 421 AAAGTTTTTACAGAGAAAGCAATCTCGAAAAGAGAGAGAGATATTTATGTCGAG 480
Db 421 AAAGTTTTTACAGAGAAAGCAATCTCGAAAAGAGAGAGAGATATTTATGTCGAG 480
Qy 481 CGGAATGTTCTGTTGAAGATGTGAACCAACCTTTCTGTGGGCTTCTCTCTTTC 540
Db 481 CGGAATGTTCTGTTGAAGATGTGAACCAACCTTTCTGTGGGCTTCTCTCTTTC 540
Qy 541 CAGACTCTGACAAATTTGTCTTCTAGACTTACATTAATGTTGAGAGTGTTCCTAC 600
Db 541 CAGACTCTGACAAATTTGTCTTCTAGACTTACATTAATGTTGAGAGTGTTCCTAC 600
Qy 601 CATCTCCAGAGGGAACGCTCTCTCGAAACCAACGGGCTCGTTTCTATGCTGCTGAATA 660

; PRIOR APPLICATION NUMBER: 60/353,224
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 60/364,529
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: 60/373,861
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/376,287
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: 60/388,080
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 60/390,971
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 60/394,130
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/394,797
; PRIOR FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: 60/404,904
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 60/405,450
; PRIOR FILING DATE: 2002-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 2370
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-353-690-11

Query Match 100.0%; Score 2370; DB 16; Length 2370;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2370; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACGAGGAGCGCTAACGCTTTTCGTCTCCCGCGGTGTGATCAGCGTGAAGAACTGAG 60
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 61 GCTGTAAAGGACCCCTCACTTACTCCAGGATGAGGGGCATGGTGGCAATTCTCATCGCT 120
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 121 TTCATGACGACGAGAGATGGGTCTGAACGACTTATTCAGAGATTGCCAATTAACATCC 180
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 181 TATGATGCAAAACCCCTCACTTACTCCAGGATGAGGGGCATGGTGGCAATTCTCATCGCT 240
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 241 GAGCTTATGAATGCCAACCCCTCTCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGC 300
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 301 CGGTGCTCCATCTCATCTAAACCATCTGACTTTCATCTTCTGAAAGTGAATCGGAAG 360
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 361 GGCAGTTTGGAAAGGTTCTTCTAGCAAGACACAGGAGAGAGAGTCTTCTATGCACTC 420
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 421 AAAGTTTACAGAGAAAGCAATCTGAAAGAGAGAGAGAGCAATATATGTCGGAG 480
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 481 CGGATGTTCTGTCAGAGATGAGCAACCTTCTCTGGTGGGCTTCACTTCTCTTTC 540
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 541 CAGACTGTGACAAATGTACTTCTCTAGACTACATTAATGTTGGAGAGTTGTTCTAC 600
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 541 CAGACTGTGACAAATGTACTTCTCTAGACTACATTAATGTTGGAGAGTTGTTCTAC 600

QY 601 CATCTCCAGAGGAAACGCTGCTCTCCTGGAAACACGGGCTCGTTTCTATCTGCTGAAATA 660
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 661 GCCAGTGCTTGGGCTACCTGCATTCACTGAACATCGTTTATAGAGACTTAAAAACAGAG 720
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 721 AATATTTTGTAGATTACAGGGACACATTCCTTACTGATTTCGGACTCTGCAAGGAG 780
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 781 AACATTGAACAAACAGACAAATCCACCTTCTCTGGCACCGCCGAGTATCTCCACCT 840
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 841 GAGGTGCTTCAAGCAGCTTATGACAGGACTGTGGACTGGTGGTGGCTGGGAGCTGTC 900
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 901 TTGTATGAGATGCTGTATGGCTGCGCTTTTATAGCCGAAACACAGCTGAATGTAC 960
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 961 GACAACTTCTGAACAGACGCTCTCCAGCTGAAACCAAAATATTAACAAATCCGCAAGAC 1020
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1021 CTCCTGAGGGCTCTCTGCAAGAGACAGGACAAAGCGGCTCGGGCCCAAGGATGACTTC 1080
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1081 ATGGAGATTAAAGTCATGCTCTTCTTCTTAAATTAATTCGGATGATCTCAATTAATAG 1140
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1141 AAGATTACTCCCTCTTAAACCAATGTGATGGGCCCCAACGAGCTACGACATCTTGAC 1200
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1201 CCGAGTTTACGAAAGCCCTGTCGCCAACTCCATTTGGCAAGTCCCTTGACAGCGCTCCTC 1260
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1261 GTCACAGCAGCTCAAGGAAGCTGCGGAGGCTTCTTAGGCTTTCTATGCGCTCC 1320
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1321 ACGGACTCTTCTCTGAAACCCCTGTTAGGGCTTGGTTTTAAAGGATTTTATGTTGTTTC 1380
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1381 CGAATGTTTATAGCTTTTGGTGGAGCGCCAGCTGACAGGACATCTTACAAGAGAA 1440
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1441 TTTGACATCTCTGAAAGCTTAGCAATCTTATGACACTGTTCCGCTGAAATTTTTTGA 1500
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1501 GAGCACAATCTCTCAGTGAGCTCATGAGGTTTTCAITTTTTTCTTCCCAACGTTG 1560
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1561 TGCTATCTGAAACGAGCGTTAGTGCCGCTTAGACGAGGAGGATTCGTTAGA 1620
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1621 AAGCGGACCTCTTCTAAAAAGGTCCTCTGAGATCTGTCTGGGCTGTGATGACGAAT 1680
DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 1681 TATGAAATGTCCTTTTCTGAAAGAGATTGTGTAGTCCAAAGCTTTTCTTATCGCAGTG 1740

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Db 1681 TATGAATATGCGCTTTCTTCTGAGAGATGTGTAGTCTCCAAAGCTTTTCTTATCGCAGTG 1740
Qy 1741 TTTTCAGTCTTTATTTTCCCTTGTGGATATGCTGTGTGAACCGTGGTGTAGTGTGGTAT 1800
Db 1741 TTTTCAGTCTTTATTTTCCCTTGTGGATATGCTGTGTGAACCGTGGTGTAGTGTGGTAT 1800
Qy 1801 GCCTGATCAGATGGATTTGTATTAAGCATCAATGTGACACTTGCAGGACATCAAC 1860
Db 1801 GCCTGATCAGATGGATTTGTATTAAGCATCAATGTGACACTTGCAGGACATCAAC 1860
Qy 1861 GTGGGACATTTGTGTCTTCCATATTTTGAAGATAAATTTATGTGTAGACTTTTGT 1920
Db 1861 GTGGGACATTTGTGTCTTCCATATTTTGAAGATAAATTTATGTGTAGACTTTTGT 1920
Qy 1921 AAGATAGCTTAAATAAATAATTTTGAAGATGCTTGAATGACCTGCTGATTCAGATG 1980
Db 1921 AAGATAGCTTAAATAAATAATTTTGAAGATGCTTGAATGACCTGCTGATTCAGATG 1980
Qy 1981 CCTAAAGAAAGCATTTGCTGTACAAATATTTCTATTTTGAAGAGGTTTTTATGGACCA 2040
Db 1981 CCTAAAGAAAGCATTTGCTGTACAAATATTTCTATTTTGAAGAGGTTTTTATGGACCA 2040
Qy 2041 ATGCCCCAGTTGTGAGTCAGACAGCGTTGGTGTCTTTTCAATTTTAAATGTCACCTGTAA 2100
Db 2041 ATGCCCCAGTTGTGAGTCAGACAGCGTTGGTGTCTTTTCAATTTTAAATGTCACCTGTAA 2100
Qy 2101 AATGGGATATTTATGTTTTTTTTTTTTTTTGTGCAATCTCTGATTAATGTATGATTAAG 2160
Db 2101 AATGGGATATTTATGTTTTTTTTTTTTTTTGTGCAATCTCTGATTAATGTATGATTAAG 2160
Qy 2161 AACGCTGTATCATTTGGGTATTAACACATAGTATATTTAACTTACAGGCTTATTTGTAAG 2220
Db 2161 AACGCTGTATTTGGGTATTAACACATAGTATATTTAACTTACAGGCTTATTTGTAAG 2220
Qy 2221 TAAACCACCATTTTAAATGACTGTAAATTAACATGTTTATATAGTCAATCTTCCCTC 2280
Db 2221 TAAACCACCATTTTAAATGACTGTAAATTAACATGTTTATATAGTCAATCTTCCCTC 2280
Qy 2281 ATCCCATCACACACTTTTTTTTGTGTGTGATAAATACTGATTTTGTGCAATAAACCCTT 2340
Db 2281 ATCCCATCACACACTTTTTTTTGTGTGTGATAAATACTGATTTTGTGCAATAAACCCTT 2340
Qy 2341 GAAAAATTAATAAATAAATAAATAAATAA 2370
Db 2341 GAAAAATTAATAAATAAATAAATAAATAA 2370
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RESULT 5

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US-10-403-161-1
; Sequence 1, Application US/10403161
; Publication No. US20040043930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-573C
; CURRENT APPLICATION NUMBER: US/10/403,161
; PRIOR FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/370349
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/384543
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/370969
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: 60/403748
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/372019
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/374379
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 09/779679
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/181045
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; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 10/055877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262892
; PRIOR FILING DATE: 2001-01-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 1
; LENGTH: 2343
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (36)..(1328)
; US-10-403-161-1
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Query Match 97.6%; Score 2312.6; DB 13; Length 2343;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2337; Conservative 0; Mismatches 4; Indels 2; Gaps 2;

Qy 8 GAGCGCTAAAGCTCTTTCTGTCTCCCGCGGTGTGTATGACGTTGAAAACTGAGCGTCTA 67
Db 1 GAGCGCTAAAGCTCTTTCTGTCTCCCGCGGTGTGTATGACGTTGAAAACTGAGCGTCTA 60
Qy 68 AGGSCACCCCTCACCTTACTCCAGGATGAGGGCATGTGGCAATTTCTCATCGCTTTCATGA 127
Db 61 AGGSCACCCCTCACCTTACTCCAGGATGAGGGCATGTGGCAATTTCTCATCGCTTTCATGA 120
Qy 128 AGCAGAGAGGATGGGTCTGAAACGACTTTATTCAGAAGATTGCCAATAAATCTCTATGCAT 187
Db 121 AGCAGAGAGGATGGGTCTGAAACGACTTTATTCAGAAGATTGCCAATAAATCTCTATGCAT 180
Qy 188 GCAAAACCCCTGAAGTTCACTTCATCTTGAAGATCTCCAACTCAGAGGCTGAGCTTA 247
Db 181 GCAAAACCCCTGAAGTTCACTTCATCTTGAAGATCTCCAACTCAGAGGCTGAGCTTA 240
Qy 248 TGAATGCCAACCCCTTCTCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGCCCGCTGT 307
Db 241 TGAATGCCAACCCCTTCTCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGCCCGCTGT 300
Qy 308 CCAATCTCATGTGTAACCATCTGACTTTCATCTTGAAGTGTATGCAAGTCAAGAGTTT 367
Db 301 CCAATCTCATGTGTAACCATCTGACTTTCATCTTGAAGTGTATGCAAGTCAAGAGTTT 360
Qy 368 TTGAAAAGTTCTTTAGCAAGACACAAGGACAGAAAGTGTCTATGCAAGTCAAGAGTTT 427
Db 361 TTGAAAAGTTCTTTAGCAAGACACAAGGACAGAAAGTGTCTATGCAAGTCAAGAGTTT 420
Qy 428 TACAGAAAGCAATCTCTGAAAGAAAGAGGAGAGCATATTTATGTCGAGCGGATG 487
Db 421 TACAGAAAGCAATCTCTGAAAGAAAGAGGAGAGCATATTTATGTCGAGCGGATG 480
Qy 488 TTCTGTTGAAGATGTGAAGCACCCCTTTCTCTGTTGGGCTTCACTTCTTTCCAGACTG 547
Db 481 TTCTGTTGAAGATGTGAAGCACCCCTTTCTCTGTTGGGCTTCACTTCTTTCCAGACTG 540
Qy 548 CTGACAAATTTGTAATTTGTCTTAGACTTACATTAATGTTGAGAGTTGTTTACCATCTCC 607
Db 541 CTGACAAATTTGTAATTTGTCTTAGACTTACATTAATGTTGAGAGTTGTTTACCATCTCC 600
Qy 608 AGAGGGAACGCTGCTCTCTGGAACCAAGGCTCGTTTCTATGCTGCTGAATATGCCAGTG 667
Db 601 AGAGGGAACGCTGCTCTCTGGAACCAAGGCTCGTTTCTATGCTGCTGAATATGCCAGTG 660
Qy 668 CTTTGGGCTACTGCATTTCACTGAACATCGTTTATAGACTTAAACACAGAGATATTT 727
Db 661 CTTTGGGCTACTGCATTTCACTGAACATCGTTTATAGACTTAAACACAGAGATATTT 720
Qy 728 TGCTAGATTCAAGGGAACATTTGTTCTTACTGATTTTGGACTCTGCAAGGAGAACATG 787
Db 721 TGCTAGATTCAAGGGAACATTTGTTCTTACTGACTTCGGACTCTGCAAGGAGAACATG 780
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Db ||||| 128 AGCAGAGAGGATGGGTCTGACAGACTTATTCAGAGAGATGCCAATAACTCTCATGCAAT 187
QY ||||| 188 GCAAAACACCCCTGAAGTTCAGTCCATCTTGAAGATCTCCCAACTCTCAGGAGCCTGAGCTTA 247
Db ||||| 188 GCAAAACACCCCTGAAGTTCAGTCCATCTTGAAGATCTCCCAACTCTCAGGAGCCTGAGCTTA 247
QY ||||| 248 TGAATGCCAAACCCCTTCTCTCCACCAAGTCTCTTCTCAGCAAAATCAACCTTTGGCCCGCTCGT 307
Db ||||| 248 TGAATGCCAAACCCCTTCTCTCCACCAAGTCTCTTCTCAGCAAAATCAACCTTTGGCCCGCTCGT 307
QY ||||| 308 CCAATCTCATGTCTAAACCAATCTGACTTTCACCTTCTTGAAGTGAATCGGAAGGCGAGTT 367
Db ||||| 308 CCAATCTCATGTCTAAACCAATCTGACTTTCACCTTCTTGAAGTGAATCGGAAGGCGAGTT 367
QY ||||| 368 TTGGAAGAGTTCCTTAGCAGAGACACAAGGCGAGAGAGTGTCTATGCAAGTCAAAAGTTT 427
Db ||||| 368 TTGGAAGAGTTCCTTAGCAGAGACACAAGGCGAGAGAGTGTCTATGCAAGTCAAAAGTTT 427
QY ||||| 428 TACAGAGAGAGCAATCCTGAAAAGAGAGAGAGAGAGATATATATGTCGGAGCGGAATG 487
Db ||||| 428 TACAGAGAGAGCAATCCTGAAAAGAGAGAGAGAGAGATATATATGTCGGAGCGGAATG 487
QY ||||| 488 TTCTGTTGAAGAGTGTGAAGCACCCCTTCTCTGGTGGGCCCTTCACTTCTTCCAGACTG 547
Db ||||| 488 TTCTGTTGAAGAGTGTGAAGCACCCCTTCTCTGGTGGGCCCTTCACTTCTTCCAGACTG 547
QY ||||| 548 CTGACAAATTTGACTTTTCTTAGACTACATTAATGCTGAGAGTGTCTTACCAATCTCC 607
Db ||||| 548 CTGACAAATTTGACTTTTCTTAGACTACATTAATGCTGAGAGTGTCTTACCAATCTCC 607
QY ||||| 608 AGAGGGAACGCTTCTCTGGAACACAGGCTCGTTTCTATGCTGCTGGAATAGCCAGTG 667
Db ||||| 608 AGAGGGAACGCTTCTCTGGAACACAGGCTCGTTTCTATGCTGCTGGAATAGCCAGTG 667
QY ||||| 668 CTTTGGGCTACCTGCATTTCACTGAACATCGTTTATAGACTTAAACCCAGAGATATTT 727
Db ||||| 668 CTTTGGGCTACCTGCATTTCACTGAACATCGTTTATAGACTTAAACCCAGAGATATTT 727
QY ||||| 728 TGCTAGATTCACAGGACACATTTCTCTTACTGATTTTGGACTCTGCAAGGAGAACATTTG 787
Db ||||| 728 TGCTAGATTCACAGGACACATTTCTCTTACTGATTTTGGACTCTGCAAGGAGAACATTTG 787
QY ||||| 788 AACACACAGACAAATCCATCTTCTGTGCGACAGCGGAGATCTCGACCTGAGGTGC 847
Db ||||| 788 AACACACAGACAAATCCATCTTCTGTGCGACAGCGGAGATCTCGACCTGAGGTGC 847
QY ||||| 848 TTCAATAGCAGCCTTATGACAGGACTGTGGACTGTGTGCTGCTGGAGCTGTCTGTATG 907
Db ||||| 848 TTCAATAGCAGCCTTATGACAGGACTGTGGACTGTGTGCTGCTGGAGCTGTCTGTATG 907
QY ||||| 908 AGATGCTGTATGGCTGCGCCTTTTATATAGCCGAAACACAGCTGAAATGTACGACAACA 967
Db ||||| 908 AGATGCTGTATGGCTGCGCCTTTTATATAGCCGAAACACAGCTGAAATGTACGACAACA 967
QY ||||| 968 TTCTGAACAAGCCTCTCAGCTGAAAACCAATATTAACAAATTCGCAAGACACCTCTCTGG 1027
Db ||||| 968 TTCTGAACAAGCCTCTCAGCTGAAAACCAATATTAACAAATTCGCAAGACACCTCTCTGG 1027
QY ||||| 1028 AGGGCTCTCAGAGGACAGGACAAAGCGCTCGGGGCCAAGGATGACCTTCATGGAGA 1087
Db ||||| 1028 AGGGCTCTCAGAGGACAGGACAAAGCGCTCGGGGCCAAGGATGACCTTCATGGAGA 1087
QY ||||| 1088 TTAAGAGTCACTGCTTCTCTCTTAATTAATTAACCTGGGATGATCTCATTAATTAAGAGATTA 1147
Db ||||| 1088 TTAAGAGTCACTGCTTCTCTCTTAATTAATTAACCTGGGATGATCTCATTAATTAAGAGATTA 1147
QY ||||| 1148 CTCCTCCCTTTTAAACCAATGTGAGTGGGCCCAACAGACTACGGACCTTTGACCCCGAGT 1207
Db ||||| 1148 CTCCTCCCTTTTAAACCAATGTGAGTGGGCCCAACAGACTACGGACCTTTGACCCCGAGT 1207
QY ||||| 1208 TTACCGAAGAGCCTGTCCTCAACTCCATTTGGCAAGTCCCTCTGACAGCGTCTCTCGTCACAG 1267

Db ||||| 1208 TTACCGAAGAGCCTGTCCTCCCAACTCCATTTGGCAAGTCCCTCTGACAGGCTCTCTCGTCACAG 1267
QY ||||| 1268 CCAGCGCTCAAGGAAGCTGCGAGGCTTTCCTTAGGCTTTTCCCTATGCGCTCCACAGGACT 1327
Db ||||| 1268 CCAGCGCTCAAGGAAGCTGCGAGGCTTTCCTTAGGCTTTTCCCTATGCGCTCCACAGGACT 1327
QY ||||| 1328 CTTTCTCTCTGAACCCCTGTTAGGCTTTGGTTTTTAAAGGATTTTATGTGTGTTCGGAATGT 1387
Db ||||| 1328 CTTTCTCTCTGAACCCCTGTTAGGCTTTGGTTTTTAAAGGATTTTATGTGTGTTCGGAATGT 1387
QY ||||| 1388 TTTAGTTAGCCTTTTGGTGGAGCCGCGAGCTGACAGACATCTTAAGAGAAATTTGACAC 1447
Db ||||| 1388 TTTAGTTAGCCTTTTGGTGGAGCCGCGAGCTGACAGACATCTTAAGAGAAATTTGACAC 1447
QY ||||| 1448 ATCTCTGGAAGCTTACCAATCTTATGACACACTGTTCTGCTGGAGCTTTTGAAGAGCAC 1506
Db ||||| 1448 ATCTCTGGAAGCTTACCAATCTTATGACACACTGTTCTGCTGGAGCTTTTGAAGAGCAC 1507
QY ||||| 1507 ATTCTCTCTCAGTGAGCTCATGAGGTTTTCATTTTTTATTTCTTCTTCCAAAGTGTGCTAT 1566
Db ||||| 1507 ATTCTCTCTCAGTGAGCTCATGAGGTTTTCATTTTTTATTTCTTCTTCCAAAGTGTGCTAT 1567
QY ||||| 1567 CTCTGAAAACGAGCGTTAGAGTCCGCTTTAGACGAGGAGGAGTTCGTTAGAAACGG 1626
Db ||||| 1567 CTCTGAAAACGAGCGTTAGAGTCCGCTTTAGACGAGGAGGAGTTCGTTAGAAACGG 1627
QY ||||| 1627 AC-CTGTTCTTAAAAAGGCTCTCTGAGATCTCTCTGGGCTGTGATGACACCAATATTATGA 1685
Db ||||| 1627 AC-CTGTTCTTAAAAAGGCTCTCTGAGATCTCTCTGGGCTGTGATGACACCAATATTATGA 1687
QY ||||| 1686 AATGTGCTCTTCTGAAAGAGATTTGTGTAGCTCTCAAAGCTTTTCCCTATCGCAGTGTTC 1745
Db ||||| 1686 AATGTGCTCTTCTGAAAGAGATTTGTGTAGCTCTCAAAGCTTTTCCCTATCGCAGTGTTC 1747
QY ||||| 1746 GTTCTTTATTTTCCCTTGTGGATATGCTGTGTGAACCGCTGTGTGAGTGTGGTATGCTG 1805
Db ||||| 1746 GTTCTTTATTTTCCCTTGTGGATATGCTGTGTGAACCGCTGTGTGAGTGTGGTATGCTG 1807
QY ||||| 1806 ATCAAGATGGATTTGTTTATAGCATCAATGTGACACTTTCAGGACACTACACAGTGGG 1865
Db ||||| 1806 ATCAAGATGGATTTGTTTATAGCATCAATGTGACACTTTCAGGACACTACACAGTGGG 1867
QY ||||| 1866 ACATTGTTGTTTCTTCCATATTTGGAAGATAAATTTATGTGTAGACTTTTTCGTAAGAT 1925
Db ||||| 1866 ACATTGTTGTTTCTTCCATATTTGGAAGATAAATTTATGTGTAGACTTTTTCGTAAGAT 1927
QY ||||| 1926 ACGGTTAATACTAAAAATTTTGAATGTTCTTGAAGTCTGTTGCAATGACTCGTATTCAGATGCTTAA 1985
Db ||||| 1926 ACGGTTAATACTAAAAATTTTGAATGTTCTTGAAGTCTGTTGCAATGACTCGTATTCAGATGCTTAA 1987
QY ||||| 1986 AGAAAGCATTTGCTCTACAAATATTTCTATTTTATAGAAAGGTTTTTATGACCAATGCC 2045
Db ||||| 1986 AGAAAGCATTTGCTCTACAAATATTTCTATTTTATAGAAAGGTTTTTATGACCAATGCC 2047
QY ||||| 2046 CCAGTGTGCTCAGAGCGGTTGGTGTGTTTTTCAATGTTTAAAAATGTCACTGTGAAAAATGG 2105
Db ||||| 2046 CCAGTGTGCTCAGAGCGGTTGGTGTGTTTTTCAATGTTTAAAAATGTCACTGTGAAAAATGG 2107
QY ||||| 2106 GCATTTATTTATGTTTTTTTTTTTTCATCTCTCGATAAATGTATGTATGTATAAAGACGT 2165
Db ||||| 2106 GCATTTATTTATGTTTTTTTTTTTTTTCATCTCTCGATAAATGTATGTATGTATAAAGACGT 2167
QY ||||| 2166 CTGTACATTTGGTTTATACACTAGTATATTTAAACTTTACAGGCTTATTTGTAATGTAAC 2225
Db ||||| 2166 CTGTACATTTGGTTTATACACTAGTATATTTAAACTTTACAGGCTTATTTGTAATGTAAC 2227
QY ||||| 2226 CACCATTTTAATGTACTGTAATTAACATGTTTAAATACGTAACATCTTCCCTCATCCC 2285
Db ||||| 2226 CACCATTTTAATGTACTGTAATTAACATGTTTAAATACGTAACATCTTCCCTCATCCC 2287
QY ||||| 2286 ATCACACAACCTTTTGTGTGTGATAAAGTATTTGGTTTGAATAAACCCTTGAAAA 2345
Db ||||| 2286 ATCACACAACCTTTTGTGTGTGATAAAGTATTTGGTTTGAATAAACCCTTGAAAA 2347

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QY 2346 ATA 2348
Db 2348 ATA 2350

RESULT 7
US-09-981-353-6
; Sequence 6, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 2365
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 3819039CBI
US-09-981-353-6

Query Match 97.2%; Score 2304.8; DB 9; Length 2365;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2331; Conservative 0; Mismatches 7; Indels 2; Gaps 2;

QY 8 GAGCGCTAACGTCCTTCTGTCTCTCCCGCGGTGGTGATGACGGTGAAAACTGAGGCGTGCTA 67
Db 26 GAGCGCTAACGTCCTTCTGTCTCTCCCGCGGTGGTGATGACGGTGAAAACTGAGGCGTGCTA 85

QY 68 AGGCGACCCCTCACTTACTCCAGGATGAGGGGCAAGTTCATCGCTTTCATGA 127
Db 86 AGGCGACCCCTCACTTACTCCAGGATGAGGGGCAAGTTCATCGCTTTCATGA 145

QY 128 AGCAGAGGAGATGGGTCTGAGCACTTTATTCAGAACTTGCCTAATCACTCCTATGCAT 187
Db 146 AGCAGAGGAGATGGGTCTGAGCACTTTATTCAGAACTTGCCTAATCACTCCTATGCAT 205

QY 188 GCAACACCCCTTCTCTCCACCAAGTCCATCTTGAAGATCTCCCAACCTCAGGAGCTGAGCTTA 247
Db 206 GCAACACCCCTTCTCTCCACCAAGTCCATCTTGAAGATCTCCCAACCTCAGGAGCTGAGCTTA 265

QY 248 TGAATGCCAACCCCTTCTCTCCACCAAGTCCATCTTGAAGATCTCCCAACCTCAGGAGCTGAGCTTA 307
Db 266 TGAATGCCAACCCCTTCTCTCCACCAAGTCCATCTTGAAGATCTCCCAACCTCAGGAGCTGAGCTTA 325

QY 308 CCAATCCTCATGCTAAACCACTCATCTTCACTTCTTGAAGATCTCCCAACCTCAGGAGCTGAGCTTA 367
Db 326 CCAATCCTCATGCTAAACCACTCATCTTCACTTCTTGAAGATCTCCCAACCTCAGGAGCTGAGCTTA 385

QY 368 TTGAAAGGTTCTTCTAGCAAGACACAAGGAGAGAGAGTGTCTATGCACTCAAGTTT 427
Db 386 TTGAAAGGTTCTTCTAGCAAGACACAAGGAGAGAGAGTGTCTATGCACTCAAGTTT 445

QY 428 TACAGAGAAAGCAATCTGAAAGAAAGAGAGAGAGAGATTTATGTCGAGCGGAATG 487
Db 446 TACAGAGAAAGCAATCTGAAAGAAAGAGAGAGAGAGATTTATGTCGAGCGGAATG 505

QY 488 TTCCTGTTGAAGATGTGAAGCACCCCTTCTTGGTGGGCGCTTCACTTCTCTTCCAGACTG 547
Db 506 TTCCTGTTGAAGATGTGAAGCACCCCTTCTTGGTGGGCGCTTCACTTCTCTTCCAGACTG 565

QY 548 CTGACAAATGTACTTTGTCTAGACTACATTAATGTTGGAGAGTGTCTTACCATCTCC 607
Db 566 CTGACAAATGTACTTTGTCTAGACTACATTAATGTTGGAGAGTGTCTTACCATCTCC 625

QY 608 AGAGGGAACGCTGCTTCTCTGGAACCAACGGGCTCGTTCTATGCTGTAATAGCCAGTG 667
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Db 626 AGAGGGAACGCTGCTTCTGGAACCAACGGGCTCGGTTCTATGCTGCTGAATAGCCAGTG 685
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Db 686 CCTTGGGCTACCTGCAATTCATGAACATCGTTTATAGAGACTTAAACACAGAGAAATATTT 745
QY 728 TGCTAGATTTCAGAGGACACATTTGCTTACTGTATTTGGACTCTGCAAGGAGAAATTTG 787
Db 746 TGCTAGATTTCAGAGGACACATTTGCTTACTGTATTTGGACTCTGCAAGGAGAAATTTG 805
QY 788 AACACACAGACAAACATCCACCTTCTGTGGCAGCCCGGAGTATCTCGACCTGAGGTGC 847
Db 806 AACACACAGACAAACATCCACCTTCTGTGGCAGCCCGGAGTATCTCGACCTGAGGTGC 865
QY 848 TTCATAAGCAGCCTTATGACAGGACTGTGGACTGTGGTGGCTGGGAGCTGTCTTGTATG 907
Db 866 TTCATAAGCAGCCTTATGACAGGACTGTGGACTGTGGTGGCTGGGAGCTGTCTTGTATG 925
QY 908 AGATGCTGTATGGCCTGCGGCTTTTATAGCCGAAACACAGCTGAAATGTACGACAACA 967
Db 926 AGATGCTGTATGGCCTGCGGCTTTTATAGCCGAAACACAGCTGAAATGTACGACAACA 985
QY 968 TTCTGACAAAGCCTCTCCAGCTGAAACCAAAATATTACAAATTCGCCAAGACACCTCTCGG 1027
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QY 1507 ATTCTCTCAGTGAAGCTCATGAGGTTTTCATTTTATTTCTTCTTCCATCCAACTGGTGTAT 1566
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QY 1567 CTCTGAACACAGCGTTAGAGTGGCGCTTAGAGCGGAGGAGGATTTTCGTTAGAAACGG 1626
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QY 1627 AC-CTGTTCTTAAAGGCTCTCTGCAAGATCTGTCTGGGCTGTGATCAAGAAATTTATGA 1685
Db 1646 ACGCTGTTCTTAAAGGCTCTCTGCAAGATCTGTCTGGGCTGTGATCAAGAAATTTATGA 1705
QY 1686 AATGTGCTTTTCTGAAGAGATTTGTGTAGTCTCCAAAGCTTTTCTTATGCTGTAATAGCCAGTG 1745
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QY 814 TGTGCAAGCCGGAGTATCTCGACCTGAGTGTCTTATAAGCAGCGCTTATCAGAGGACT 873
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QY 781 TGTGCAAGCCGGAGTATCTCGACCTGAGTGTCTTATAAGCAGCGCTTATCAGAGGACT 840
Db |||||
QY 874 GTGGAATGCTGTGGAGCTGTCTGTATGAGATGCTGTATGGCGTGGCGCTTTT 933
Db |||||
QY 841 GTGGAATGCTGTGGAGCTGTCTGTATGAGATGCTGTATGGCGTGGCGCTTTT 900
Db |||||
QY 934 TATAGCCGAAACACAGCTGAAATGTACGACACATCTCGAACAGCGCTTCCAGCTGAAA 993
Db |||||
QY 901 TATAGCCGAAACACAGCTGAAATGTACGACACATCTCGAACAGCGCTTCCAGCTGAAA 960
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QY 994 CCAAAATATTACAAATTCGCGAAGACACCTCTCGAGGGGCTCTCGAAGAGCAGGACA 1053
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QY 961 CCAAAATATTACAAATTCGCGAAGACACCTCTCGAGGGGCTCTCGAAGAGCAGGACA 1020
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QY 1054 AAGCGGCTCGGGCCCAAGATGACTTCATGAGAGATTAAGAGTCAATCTCTCTCCCTTA 1113
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QY 1021 AAGCGGCTCGGGCCCAAGATGACTTCATGAGAGATTAAGAGTCAATCTCTCTCCCTTA 1080
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QY 1174 GGGCCCAACGAGCTACGGCACTTTGACCCCGAGTTTACGAGAGCGCTGTCCCAACTCC 1233
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QY 1234 ATTGCAAGTCCCTGACAGGCTCTCGTCAAGCGGCTCAAGAAAGCTGCCAGGCT 1293
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QY 1294 TTCCTAGGCTTTCTATGCGCTCCACGAGCTCTTCCCTGACCGCTGTAGGGCTT 1353
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QY 1261 TTCCTAGGCTTTCTATGCGCTCCACGAGCTCTTCCCTGACCGCTGTAGGGCTT 1320
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QY 1354 GGTTTTAAAGGATTTATGTGTGTTTCCGAATGTTTATGTTAGCTTTTGTGAGCGCG 1413
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QY 1414 CAGCTGACAGGACATCTTACAGAGAAATTTGCAATCTCTGAGAGCTTAGCAATCTTAT 1473
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QY 1381 CAGCTGACAGGACATCTTACAGAGAAATTTGCAATCTCTGAGAGCTTAGCAATCTTAT 1440
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QY 1474 GCACACTGTCTCGTGGAA- TTTTGTGAGAGACATCTCTCAGTGAGCTCATGAGTT 1532
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QY 1533 TTCATTTTATTTCTTCCCTTCAACGCTGTGTCTATCTTGAAACGAGCGTTAGAGTCCGC 1592
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QY 1593 CTTAGACGAGGACGAGGAGTTGCTTAGAAGCGGAC-CTGTTCTAAAGAGCTCTCTGC 1651
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QY 1561 CTTAGACGAGGACGAGGAGTTGCTTAGAAGCGGAGCTGTCTTAAAGAGCTCTCTGC 1620
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QY 1652 AGATCTGTCTGGCTGTGATGACGAATATTATGAAATGTCCTTTCTGAGAG-AGATTGT 1710
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QY 1621 AGATCTGTCTGGCTGTGATGACGAATATTATGAAATGTCCTTTCTGAGAAATTTGT 1680
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QY 1711 GTTAGCTCCAAAGCTTTTCTATCGCAGTGTGTTTTCAGTTCTTTATTTTCCCTTGTGGAT 1770
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QY 1681 GTTAGCTCCAAAGCTTTTCTATCGCAGTGTGTTTTCAGTTCTTTATTTTCCCTTGTGGAT 1740
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QY 1771 GCTGTGTGAACCGCTGTGAGTGTGATGATCGCTGATCAGATGGATTTGTTATAGC 1830
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QY 1741 GCTGTGTGAACCGCTGTGAGTGTGATGATCGCTGATCAGATGGATTTGTTATAGC 1800
Db |||||
QY 1831 ATCAATGTGACACTTGCAGGACACTACAAAGTGGGACATTTGTTTCTTCCATATTG 1890
Db |||||
QY 1801 ATCAATGTGACACTTGCAGGACACTACAAAGTGGGACATTTGTTTCTTCCATATTG 1860
Db |||||

QY 1891 GAAGATAAAATTTATCTGTAGACTTTTGTAGATACGGTTAATAACATAAAATTTATTGA 1950
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QY 1861 GAAGATAAAATTTATCTGTGTAGACTTTTGTAGATACGGTTAATAAAATTTATTGA 1920
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QY 1951 AATGCTCTTGTCAATGACTCGTATTAGATGCTTAAAGAAAGCAATGCTGTACAAATATT 2010
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QY 1921 AATGCTCTTGTCAATGACTCGTATTAGATGCTTAAAGAAAGCAATGCTGTACAAATATT 1980
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QY 2011 TCTATTTTAGAAGGGTTTATGAGCAATGCCCCAGTTGTCTAGTCAGAGCCGTGGT 2070
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QY 1981 TCTATTTTAGAAGGGTTTATGAGCAATGCCCCAGTTGTCTAGTCAGAGCCGTGGT 2040
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QY 2071 GTTTTTCATGTTTAAATGTCACCTGTAAATGGCAATTTATGTTTTTTTTTTTGC 2130
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QY 2041 GTTTTTCATGTTTAAATGTCACCTGTAAATGGCAATTTATGTTTTTTTTTTTGC 2100
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QY 2131 ATTCTGTAAATGTTATGTTATGATAAGAAAGCTCTGTACATTTGGTTATAAACAAGT 2190
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QY 2221 CATGTTATATAAGTACGATCAATCCTTCCCTCATCCCATCACACAACCTTTTGTGTGTA 2280
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QY 2311 TAACTGATTTTGTGTTGCAATAAAACCTTG 2341
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QY 2281 TAACTGATTTTGTGTTGCAATAAAACCTTG 2311
Db |||||

RESULT 9

US-10-305-720-772
; Sequence 772, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 772
; LENGTH: 2311
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 477245
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)---(2311)
; OTHER INFORMATION: a, t, c, g, or other
US-10-305-720-772

Query Match 95.5%; Score 2262.8; DB 16; Length 2311;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 2300; Conservative 0; Mismatches 8; Indels 3; Gaps 3;
QY 34 GCGGTGTGATGACGCGTGAATAAATGAGGCTGTAAAGGCAACCTTCACTTACTCCAGATG 93
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QY 94 AGGGCATGTGGCAATTTCTCATCGCTTTTCATGAAGCAGAGGAGTGGGTCTCAACGAC 153
Db |||||
QY 61 AGGGCATGTGGCAATTTCTCATCGCTTTTCATGAAGCAGAGGAGTGGGTCTGAACGAC 120
Db |||||
QY 154 TTTATTGAGAAGATTGCGCAATAAATCTCTCATGTCATGCAAAACCCCTGAAATTCAGTCCATC 213

121	Db	 TTTTATT	CAGAAGAT	TGCCAATA	CTCCTAT	TGCAAT	GCAAAC	CACCCCT	GAGTT	CAGTCCAT	C	180
214	QY	 TTG	AAGATCT	CCCAAC	CTCAGG	AGCCTG	AGCTTAT	GAATG	CCAAAC	CCCTTCT	CTCCACCA	273
181	Db	 TTG	AGATCT	CCCAAC	CTCAGG	AGCCTG	AGCTTAT	GAATG	CCAAAC	CCCTTCT	CTCCACCA	240
274	QY	 AGT	CTCTCT	CAGCAA	ATCA	ACCTTGG	CCCGT	CGTCCA	ATCCTCAT	GCTAAAC	CACTGAC	333
241	Db	 AGT	CTCTCT	CAGCAA	ATCA	ACCTTGG	CCCGT	CGTCCA	ATCCTCAT	GCTAAAC	CACTGAC	300
334	QY	 TTT	CACCTT	CTTGA	AGTGAT	CGAA	AGGCAG	TTT	TGGAA	AGTTC	TTCTAGCA	393
301	Db	 TTT	CACCTT	CTTGA	AGTGAT	CGAA	AGGCAG	TTT	TGGAA	AGTTC	TTCTAGCA	360
394	QY	 AAG	CGAAGA	AGTGT	TCTATG	CAGT	CAAA	AGT	TTTTAC	AGAAGAA	ACAATC	453
361	Db	 AAG	CGAAGA	AGTGT	TCTATG	CAGT	CAAA	AGT	TTTTAC	AGAAGAA	ACAATC	420
454	QY	 AAA	GAGGAG	AAACAT	ATATAT	GTCCG	AGCGGA	ATGTTCT	GTGTGA	AGAAAT	GTGAAGCA	513
421	Db	 AAA	GAGGAG	AAACAT	ATATAT	GTCCG	AGCGGA	ATGTTCT	GTGTGA	AGAAAT	GTGAAGCA	480
514	QY	 TT	CCTGGT	GGCC	TTAC	TTTCT	TTTCC	AGAC	GTCTGA	CHAA	TTGTACT	573
481	Db	 TT	CCTGGT	GGCC	TTAC	TTTCT	TTTCC	AGAC	GTCTGA	CHAA	TTGTACT	540
574	QY	 TAC	ATTAA	TG	TGGAG	ATGTTG	TCTAC	CTCTC	CAGAGG	GAACG	CTGCTT	633
541	Db	 TAC	ATTAA	TG	TGGAG	ATGTTG	TCTAC	CTCTC	CAGAGG	GAACG	CTGCTT	600
634	QY	 CG	GGCTCG	TTTCT	TATG	CTG	TGAA	ATAG	CGCCTTGG	GGCTAC	CTGCA	693
601	Db	 CG	GGCTCG	TTTCT	TATG	CTG	TGAA	ATAG	CGCCTTGG	GGCTAC	CTGCA	660
694	QY	 AT	CGTTTAT	AGAG	CTTAA	ACCAG	AGAA	TATTTT	TGCTAG	ATTCA	CAGGGA	753
661	Db	 AT	CGTTTAT	AGAG	CTTAA	ACCAG	AGAA	TATTTT	TGCTAG	ATTCA	CAGGGA	720
754	QY	 CTT	ACTGAT	TTT	CGGACT	CTC	AGGGA	CAATTTGA	ACAACA	CAGCA	CAATCC	813
721	Db	 CTT	ACTGACT	TCG	GACTCTC	GAAGG	AAACATTTGA	ACAACA	CAGCA	CAATCC	CACTT	780
814	QY	 TGT	GGCAC	CGCGG	AGTATCT	CG	CACTG	AGGTG	TTTCAT	AAGCAG	CTTATG	873
781	Db	 TGT	GGCAC	CGCGG	AGTATCT	CG	CACTG	AGGTG	TTTCAT	AAGCAG	CTTATG	840
874	QY	 GTG	AGCTGTG	TGTG	CTGG	AGCTGT	CTTGT	TATG	AGATG	CTGTAT	GCCCTG	933
841	Db	 GTG	AGCTGTG	TGTG	CTGG	AGCTGT	CTTGT	TATG	AGATG	CTGTAT	GCCCTG	900
934	QY	 TAT	AGCCGA	AAACA	CAGCTG	AAATCTA	CGCA	CAATTTG	AACTG	AAAGC	CTCTCC	993
901	Db	 TAT	AGCCGA	AAACA	CAGCTG	AAATCTA	CGCA	CAATTTG	AACTG	AAAGC	CTCTCC	960
994	QY	 CCA	AAATTTACA	AAATTC	CGCA	AGACA	CTCTCG	GAGG	CCCTCTCTG	CAGAGG	CAGGACA	1053
961	Db	 CCA	AAATTTACA	AAATTC	CGCA	AGACA	CTCTCG	GAGG	CCCTCTCTG	CAGAGG	CAGGACA	1020
1054	QY	 AAG	CGGCTCG	GGG	CCAA	AGATG	ACTT	CATG	GAGATTA	AGAGT	CA	1113
1021	Db	 AAG	CGGCTCG	GGG	CCAA	AGATG	ACTT	CATG	GAGATTA	AGAGT	CA	1080
1114	QY	 ATT	AACTG	GGAT	TGAT	CTCAT	TATA	GAAGA	TTACT	CCCCCTT	TAA	1173
1081	Db	 ATT	AACTG	GGAT	TGAT	CTCAT	TATA	GAAGA	TTACT	CCCCCTT	TAA	1140
1174	QY	 GGG	CCCAAC	AGACT	ATAC	GGCA	CTTTTGA	CCCCG	AGTTTAC	CGAAG	AGCCTG	1233
1141	Db	 GGG	CCCAAC	AGACT	ATAC	GGCA	CTTTTGA	CCCCG	AGTTTAC	CGAAG	AGCCTG	1200
1234	QY	 ATT	GGCAAG	TCCCC	CTG	ACG	CGTCT	CTCGT	CA	CAGCC	AGCGTCA	1293

Db	1201	ATTGGCAAGTCCCTGTGACAGCGTCTCGTCAAGCCAGCGGTCAAGGAAGCTGCCGAGGCT	1261
Qy	1294	TTCTTAGGCTTTTCTATGCGCTCCCAACGGACATCTTTTCTCTGAAACCTGTGTAGGCGTT	1353
Db	1361	TTCTTAGGCTTTTCTATGCGCTCCCAACGGACATCTTTTCTCTGAAACCTGTGTAGGCGTT	1320
Qy	1354	GGTTTTAAAGATTTTATGTGTGTTCGGAATGTTTTAGTTAGTCCTTTTGGTGGAGCGCG	1413
Db	1321	GGTTTTAAAGATTTTATGTGTGTTCGGAATGTTTTAGTTAGTCCTTTTGGTGGAGCGCG	1380
Qy	1414	CAGCTGACAGGACATCTTACAAGAGATTTGCATCTCTGGAGCTTAGCAATCTTATT	1473
Db	1381	CAGCTGACAGGACATCTTACAAGAGATTTGCATCTCTGGAGCTTAGCAATCTTATT	1440
Qy	1474	GCACATCTTTCGCTGGAA- TTTTTTGAAGAGCAATCTCTCAGTCAGCTCATGAGGTT	1532
Db	1441	GCACATCTTTCGCTGGAGCTTTTGAAGAGCAATCTCTCAGTCAGCTCATGAGGTT	1500
Qy	1533	TTCAATTTTTATCTTCTTCCAAACGTTGGTGCTATCTCTGAAAACGAGCGTTAGAGTGGCG	1592
Db	1501	TTCAATTTTTATCTTCTTCCAAACGTTGGTGCTATCTCTGAAAACGAGCGTTAGAGTGGCG	1560
Qy	1593	CTTAGACGGAGCGAGGAGTTTCGTTGAAGAGCGAGC- CTGTTCTAARAAAGTCTCCTGC	1651
Db	1561	CTTAGACGGAGCGAGGAGTTTCGTTGAAGAGCGAGCGCTGTTCTAARAAAGTCTCCTGC	1620
Qy	1652	AGATCTCTCGGGCTGTGATGACGAATATGAATGTGCCTTTTCTGAAG- AGATTGT	1710
Db	1621	AGATCTCTCGGGCTGTGATGACGAATATGAATGTGCCTTTTCTGAAG- AGATTGT	1680
Qy	1711	GTTAGTCCAAAGCTTTTCCCTATCGCAGTGTTTCAGTTCTTTATTTTCCCTGTGGATAT	1770
Db	1681	GTTAGTCCAAAGCTTTTCCCTATCGCAGTGTTTCAGTTCTTTATTTTCCCTGTGGATAT	1740
Qy	1771	GCTGTGTGAACCGTCGTGTAGTGCTGTATGCTGTATCAGATGGATTTTGTATTAAGC	1830
Db	1741	GCTGTGTGAACCGTCGTGTAGTGCTGTATGCTGTATCAGATGGATTTTGTATTAAGC	1800
Qy	1831	ATCAATGTGACACTTTCAGGACACTCAACGTGGGACATGTTTGTGTTCTTCCCATATTG	1890
Db	1801	ATCAATGTGACACTTTCAGGACACTCAACGTGGGACATGTTTGTGTTCTTCCCATATTG	1860
Qy	1891	GAAGATAAATTTATGTGTAGACTTTTTTTGTAAGATACGGTTAATACTAAAAATTTATGA	1950
Db	1861	GAAGATAAATTTATGTGTAGACTTTTTTTGTAAGATACGGTTAATACTAAAAATTTATGA	1920
Qy	1951	AATGGTCTTGCAATGACTCGTATTCAGATGCCTTAAGAAAGCATTCGTCTACAAATATT	2010
Db	1921	AATGGTCTTGCAATGACTCGTATTCAGATGCCTTAAGAAAGCATTCGTCTACAAATATT	1980
Qy	2011	TCTATTTTTAGAAAGGGTTTTTATGGACCAGTCCCGAGTTGTTCAGTCAGAGCGCGTTGGT	2070
Db	1981	TCTATTTTTAGAAAGGGTTTTTATGGACCAGTCCCGAGTTGTTCAGTCAGAGCGCGTTGGT	2040
Qy	2071	GTTTTTTCATTTGTTTAAAAATGTCACCTGTAAAGTGGCATTTATGTTTTTTTTTTTGC	2130
Db	2041	GTTTTTTCATTTGTTTAAAAATGTCACCTGTAAAGTGGCATTTATGTTTTTTTTTTTGC	2100
Qy	2131	ATTCTGTATTAATGTATGTATGTATTAAGAGAGTCTGTACATTTGGGTATTAACACTAGT	2190
Db	2101	ATTCTGTATTAATGTATGTATGTATTAAGAGAGTCTGTACATTTGGGTATTAACACTAGT	2160
Qy	2191	ATATTTAAACTTACAGGCTTATTTGTAATGTAAACCACTATTTTAATGTACTGTAATTA	2250
Db	2161	ATATTTAAACTTACAGGCTTATTTGTAATGTAAACCACTATTTTAATGTACTGTAATTA	2220
Qy	2251	CATGGTTATATACGTACAATCCCTCCCTCATCCCATCACACAACCTTTTTTGTGTGTA	2310
Db	2221	CATGGTTATATACGNCAATCCCTCCCTCATCCCATCACACAACCTTTTTTGTGTGTA	2280
Qy	2311	TAAACTGATTTTGGTTTGCATATAAAACCTTG	2341
Db	2281	TAAACTGATTTTGGTTTGCATATAAAACCTTG	2311

RESULT 10

US-10-094-749-222

; Sequence 222, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISOMO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 222
; LENGTH: 3196
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-222

Query Match 92.9%; Score 2201; DB 16; Length 3196;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2266; Conservative 0; Mismatches 5; Indels 2; Gaps 2;

QY	118	GCTTTTCATGAAGCAGGAGGATGGTCTGAACGACTTTATTTCAGAAAGTTGCCAATAAC	177
DB	959	GCTTTTCATGAAGCAGGAGGATGGTCTGAACGACTTTATTTCAGAAAGTTGCCAATAAC	1018
QY	178	TCCTATGATGCAACACCCCTGAAAGTTCAGTCCATCTTGAAGATCTCCCAACCTCAGGAG	237
DB	1019	TCCTATGATGCAACACCCCTGAAAGTTCAGTCCATCTTGAAGATCTCCCAACCTCAGGAG	1078
QY	238	CCTGAGCTATGAATGCCAACCCCTTCTGTCACCAAGTCTTCTCAGCAAAATCAACCTT	297
DB	1079	CCTGAGCTTATGAATGCCAACCCCTTCTGTCACCAAGTCTTCTCAGCAAAATCAACCTT	1138
QY	298	GGCCCGTCTGCAATCCCTCATGCTAAACCATCTGACTTTTCACTTCTTGAAGTGTATCGGA	357
DB	1139	GGCCCGTCTGCAATCCCTCATGCTAAACCATCTGACTTTTCACTTCTTGAAGTGTATCGGA	1198
QY	358	AAGGCGAGTTTGGAAAGGTTCTTCTAGCAAGACCAAGGAGAGAAAGTGTCTATGCA	417
DB	1199	AAGGCGAGTTTGGAAAGGTTCTTCTAGCAAGACCAAGGAGAGAAAGTGTCTATGCA	1258
QY	418	GTCAGAGTTTACAGAAAGCAATCTGAAAAAGAAAGAGGAGAGCATATTATGTCG	477
DB	1259	GTCAGAGTTTACAGAAAGCAATCTGAAAAAGAAAGAGGAGAGCATATTATGTCG	1318
QY	478	GAGCGGAATGTTCTGTTGAAGAAATGTGAAGCACCCCTTCTGTTGGGCTTCACCTTCCT	537
DB	1319	GAGCGGAATGTTCTGTTGAAGAAATGTGAAGCACCCCTTCTGTTGGGCTTCACCTTCCT	1378

QY	538	TTCCAGAGTGTGTGACAAATTGTACTTTGTCTAGACTACATTAATGCTGGAGATTGTTC	597
DB	1379	TTCCAGAGTGTGTGACAAATTGTACTTTGTCTAGACTACATTAATGCTGGAGATTGTTC	1438
QY	598	TACCAATCTCCAGAGGGAACGCTGTCTCTGGAACCAACCGGCTCGTTTCTATGCTGCTGAA	657
DB	1439	TACCAATCTCCAGAGGGAACGCTGTCTCTGGAACCAACCGGCTCGTTTCTATGCTGCTGAA	1498
QY	658	ATAGCCAGTGTCTGGGCTACCTGCAATTCACAGAACTGTTTATAGAGACTTAAACCA	717
DB	1499	ATAGCCAGGCGCTTGGGCTACCTGCAATTCACAGAACTGTTTATAGAGACTTAAACCA	1558
QY	718	GAGAAATATTTGCTAGATTTCACAGGACACATTTGCTTACTGATTTCGACTCTGCAAG	777
DB	1559	GAGAAATATTTGCTAGATTTCACAGGACACATTTGCTTACTGACTCTGCAAG	1618
QY	778	GAGAAATTTGAACACCAAGCACAATCCACCTTCTGTGGCACCGGAGTATCTCGCA	837
DB	1619	GAGAAATTTGAACACCAAGCACAATCCACCTTCTGTGGCACCGGAGTATCTCGCA	1678
QY	838	CCTGAGGTCTTCATAAGCAGCCTTATGACAGGACTGTGGACTGGTGTCTGGAGCT	897
DB	1679	CCTGAGGTCTTCATAAGCAGCCTTATGACAGGACTGTGGACTGGTGTCTGGAGCT	1738
QY	898	GTCTTGATGAGATGCTGTATGGCTGCGGCTTTTATAGCCGAAACACAGCTGAAATG	957
DB	1739	GTCTTGATGAGATGCTGTATGGCTGCGGCTTTTATAGCCGAAACACAGCTGAAATG	1798
QY	958	TACGACAACTTCTGAAACAAGCCTCTCCAGCTGAAACCAAAATATTACAAATCCGCAAGA	1017
DB	1799	TACGACAACTTCTGAAACAAGCCTCTCCAGCTGAAACCAAAATATTACAAATCCGCAAGA	1858
QY	1018	CACCTCTGGAGGGCTCTCGAGAGGACAGGACAAAGCGCTCGGGCCAGAGATGAC	1077
DB	1859	CACCTCTGGAGGGCTCTCGAGAGGACAGGACAAAGCGCTCGGGCCAGAGATGAC	1918
QY	1078	TTCATGGAGATTAAAGATCATGTCTTCTTCTCTTAAATTAATGCGGATGATCTCAATAT	1137
DB	1919	TTCATGGAGATTAAAGATCATGTCTTCTTCTCTTAAATTAATGCGGATGATCTCAATAT	1978
QY	1138	AAGAAGATTATCCGCCCTTTTAAACCAAAATGTAGTGGGCCCAACAGCTACGGCACTTT	1197
DB	1979	AAGAAGATTATCCGCCCTTTTAAACCAAAATGTAGTGGGCCCAACAGCTACGGCACTTT	2038
QY	1198	GACCCCGAGTTTACGAGAGCGCTGTCCCAACTCCATTGGCAGTCCCTGACAGCGTC	1257
DB	2039	GACCCCGAGTTTACGAGAGCGCTGTCCCAACTCCATTGGCAGTCCCTGACAGCGTC	2098
QY	1258	CTCGTCAAGCCAGCGTCAAGGAAAGCTGCCGAGGCTTTCTTAGGCTTTTCTATGCGCT	1317
DB	2099	CTCGTCAAGCCAGCGTCAAGGAAAGCTGCCGAGGCTTTCTTAGGCTTTTCTATGCGCT	2158
QY	1318	CCCAGGACTCTTTCTCTGAAACCTGTGTAGGGCTTGGTTTAAAGATTTTATGTGTGT	1377
DB	2159	CCCAGGACTCTTTCTCTGAAACCTGTGTAGGGCTTGGTTTAAAGATTTTATGTGTGT	2218
QY	1378	TTCCGAAATGTTTATGTTAGTCTTTTGGTGGAGCCGCGAGCTGACAGGACATCTTACAGA	1437
DB	2219	TTCCGAAATGTTTATGTTAGTCTTTTGGTGGAGCCGCGAGCTGACAGGACATCTTACAGA	2278
QY	1438	GAATTTGCACATCTCTGGAAGCTTTAGCAATCTTATTTGCACACTGTTCGCTCGAA	1496
DB	2279	GAATTTGCACATCTCTGGAAGCTTTAGCAATCTTATTTGCACACTGTTCGCTCGAA	2338
QY	1497	TGAAGAGCAATCTCTCTCAGTGAAGCTCATGAGGTTTTTCAATTTTATCTTCTTCCAA	1556
DB	2339	TGAAGAGCAATCTCTCTCAGTGAAGCTCATGAGGTTTTTCAATTTTATCTTCTTCCAA	2398
QY	1557	GTGTGTCTATCTCTGAAACAGCGTTAGAGTCCGCTTTAGACGGAGCAGAGTTTCGT	1616
DB	2399	GTGTGTCTATCTCTGAAACAGCGTTAGAGTCCGCTTTAGACGGAGCAGAGTTTCGT	2458
QY	1617	TAGAAAGCGGAC - CTGTTTCTAAAAAAGGTCTCTCTGAGATCTGTCTGGGCTGTGATGAG	1675

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 2281
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-410-39

Query Match      90.3%; Score 2140.8; DB 16; Length 2281;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2167; Conservative 0; Mismatches 7; Indels 2; Gaps 2;

2459 TAGAAGCGGACGCTGTTCTAAAGAGTCTCTCGAGATCTGCTGGCTGTCATGACG 2518
1676 AATATTATGAATGTGCTTTCTGAAGAGATTGTGTAGCTCCAAAGCTTTTCTATCG 1735
2519 AATATTATGAATGTGCTTTCTGAAGAGATTGTGTAGCTCCAAAGCTTTTCTATCG 2578
1736 CAGTGTTCAGTTCCTTTATTTTCTGATATGCTGTGATGACCGTGTGAGTGT 1795
2579 CAGTGTTCAGTTCCTTTATTTTCTGATATGCTGTGATGACCGTGTGAGTGT 2638
1796 GGTATGCTGATCACAGATGGAATTTGTTAAGCATCAATGTCACACTTGCAGGACACT 1855
2639 GGTATGCTGATCACAGATGGAATTTGTTAAGCATCAATGTCACACTTGCAGGACACT 2698
1856 ACAAGTGGGACATGTTTGTCTTCCATATTTGGAAGATATAATTTATGTGTAGACTTT 1915
2699 ACAAGTGGGACATGTTTGTCTTCCATATTTGGAAGATATAATTTATGTGTAGACTTT 2758
1916 TTTGTAGATACGGTTTAACTAAATTTTATTTGAAATGGTCTGCAATGACTCGTATTC 1975
2759 TTTGTAGATACGGTTTAACTAAATTTTATTTGAAATGGTCTGCAATGACTCGTATTC 2818
1976 AGATGCTTAAAGAAAGCATTCGCTACAAATATTTCTATTTTAAAGGGTTTTATG 2035
2819 AGATGCTTAAAGAAAGCATTCGCTACAAATATTTCTATTTTAAAGGGTTTTATG 2878
2036 GACCAATGCCCGAGTGTGCTGAGAGCGGTGTTGTTTTCATGTTTAAATGTGACCC 2095
2879 GACCAATGCCCGAGTGTGCTGAGAGCGGTGTTGTTTTCATGTTTAAATGTGACCC 2938
2096 TGTAATGGGCAATTTATTTATTTTCTGATTTTCTGATTTTCTGATTTTCTGATTTGTA 2155
2939 TGTAATGGGCAATTTATTTATTTTCTGATTTTCTGATTTTCTGATTTTCTGATTTGTA 2998
2156 TAAAGAACGCTGTACATTTGGTTTAACTAGTATATTTTAACTTTACAGGCTTATTTG 2215
2999 TAAAGAACGCTGTACATTTGGTTTAACTAGTATATTTTAACTTTACAGGCTTATTTG 3058
2216 TAATGTAAACACCATTTTAAATGATGTAATTAACATGTTTAAATGATGTAATGTA 2275
3059 TAATGTAAACACCATTTTAAATGATGTAATTAACATGTTTAAATGATGTAATGTA 3118
2276 CCCTCATCCCATCACAACTTTTGTGTGATGATGATGATGATGATGATGATGATGATG 2335
3119 CCCTCATCCCATCACAACTTTTGTGTGATGATGATGATGATGATGATGATGATGATG 3178
2336 ACCTTGAAAAATA 2348
3179 ACCTTGAAAAATA 3191
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RESULT 11
US-10-131-410-39
; Sequence 39, Application US/10131410
; Publication No. US20030235915A1
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERNARD
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
; FILE OF INVENTION: TUMORS
; FILE REFERENCE: SCH-1763
; CURRENT APPLICATION NUMBER: US/10131.410
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 09/646,673
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: PCT/DE99/00908
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 202

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 2281
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-410-39

Query Match      90.3%; Score 2140.8; DB 16; Length 2281;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2167; Conservative 0; Mismatches 7; Indels 2; Gaps 2;

195  CCCTGAAGTTCAGTCCCATCTTTGAAGATCTCCCAACCTCAGGAGCCTGAGCTTATGATGC 254
95  CCCTGAAGTTCAGTCCCATCTTTGAAGATCTCCCAACCTCAGGAGCCTGAGCTTATGATGC 154
255  CAACCCCTCTCTCCCAACCAAGTCTCTCAGCAAAATCAACCTTGGCCGCTGCTCAATCC 314
155  CAACCCCTCTCTCCCAACCAAGTCTCTCAGCAAAATCAACCTTGGCCGCTGCTCAATCC 214
315  TCATGCTTAAACCATCTGACTTTTCACTTTTCACTTTTCACTTTTCACTTTTCACTTTTCA 374
215  TCATGCTTAAACCATCTGACTTTTCACTTTTCACTTTTCACTTTTCACTTTTCACTTTTCA 274
375  GGTTCTTTCTAGCAGACACAAGGCAGAGAGAGTCTTCTATGCTCAGTCAAAGTTTACAGAA 434
275  GGTTCTTTCTAGCAGACACAAGGCAGAGAGAGTCTTCTATGCTCAGTCAAAGTTTACAGAA 334
435  GAAAGCAATCTGAAAGAAAGAGAGAGAGATATTTATGTCGGAGCGGAATGTTCTGTT 494
335  GAAAGCAATCTGAAAGAAAGAGAGAGAGATATTTATGTCGGAGCGGAATGTTCTGTT 394
495  GAAGAAATGTCAGACACCTTTCTGTTGGGCTTCACTTTCTGTTGGGCTTCACTTTCTGTT 554
395  GAAGAAATGTCAGACACCTTTCTGTTGGGCTTCACTTTCTGTTGGGCTTCACTTTCTGTT 454
555  ATTGTACTTTGCTCCTAGACTACATTAATGTTGGAGAGTGTCTTCACTCCTCAGAGGGA 614
455  ATTGTACTTTGCTCCTAGACTACATTAATGTTGGAGAGTGTCTTCACTCCTCAGAGGGA 514
615  ACGTGTCTTCTGGAACACCGGGCTCTGTTCTATGCTGCTGAAATAGCCAGTGCTTGGG 674
515  ACGTGTCTTCTGGAACACCGGGCTCTGTTCTATGCTGCTGAAATAGCCAGTGCTTGGG 574
675  CTACCTCATCTCAGTGAACATCGTTTATAGAGACTTAAACCAGAGATATTTTGTCTAGA 734
575  CTACCTCATCTCAGTGAACATCGTTTATAGAGACTTAAACCAGAGATATTTTGTCTAGA 634
735  TTCAAGGAGACACATTTGCTCTTACTGATTTTCTGACTCTGCAAGGAGAACATTTGAACAA 794
635  TTCAAGGAGACACATTTGCTCTTACTGATTTTCTGACTCTGCAAGGAGAACATTTGAACAA 694
795  CAGCAAAATCCACCTTCTGTTGGCAACCGGAGTATCTCGCACTGAGTGCTTCATAA 854
695  CAGCAAAATCCACCTTCTGTTGGCAACCGGAGTATCTCGCACTGAGTGCTTCATAA 754
855  GCAGCCTTATGACAGGACTGTTGACTGCTGCTGGAGCTGTCTGTTATGAGATGCT 914
755  GCAGCCTTATGACAGGACTGTTGACTGCTGCTGGAGCTGTCTGTTATGAGATGCT 814
915  GTATGGCTCTCCGCTCTTTTATAGCCGAAACACAGCTGAAATGTACGACAACTTCTGAA 974
815  GTATGGCTCTCCGCTCTTTTATAGCCGAAACACAGCTGAAATGTACGACAACTTCTGAA 874
975  CAAGCCTCTCAGCTGAAACCAATATTAATAATTCGCAAGACACTCTCTGAGGGCCT 1034
875  CAAGCCTCTCAGCTGAAACCAATATTAATAATTCGCAAGACACTCTCTGAGGGCCT 934
1035  CCTGCAGAGACAGGACCAAGCGGCTCGGGCCCAAGATGACTTCTATGAGATTAAGAG 1094
935  CCTGCAGAGACAGGACCAAGCGGCTCGGGCCCAAGATGACTTCTATGAGATTAAGAG 994
1095  TCATGCTCTTCTCTCTTAAATTAATTAACCTGGATGATCTCATTTAAAGAAAGATTAATCT 1154
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Db 995 TCATGCTCTTCTCCTTAATACTGGGAGTATCTCAATTAATAAGAAATTAATCCCCC 1054
QY 1155 TTTTAAACCAATGTGAGTGGCCCAACAGAGTACGGACATTTGACCCCGAGTTTACCGA 1214
Db 1055 TTTTAAACCAATGTGAGTGGCCCAACAGACCTACGGCACTTTGACCCCGAGTTTACCGA 1114
QY 1215 AGAGCTGTGCCCAACTCCATTGGCAAGTCCCTGACAGCGTCTCGTCACAGCCAGCGT 1274
Db 1115 AGAGCTGTGCCCAACTCCATTGGCAAGTCCCTGACAGCGTCTCGTCACAGCCAGCGT 1174
QY 1275 CAAGGAAGCTGCCGAGGCTTTCCTAGGCTTTTCTATGCGCTCCCAAGGACTCTTTCT 1334
Db 1175 CAAGGAAGCTGCCGAGGCTTTCCTAGGCTTTTCTATGCGCTCCCAAGGACTCTTTCT 1234
QY 1335 CTGAACCTGTGTAGGCTGTGTTTAAAGGATTTATGTGCTGTTTCGAAATGTTTGTAT 1394
Db 1235 CTGAACCTGTGTAGGCTGTGTTTAAAGGATTTATGTGCTGTTTCGAAATGTTTGTAT 1294
QY 1395 AGCCTTTTGTGTGAGCCCGCAGCTGACAGGACATCTTACAAGAGAAATTTGCACATCTCTG 1454
Db 1295 AGCCTTTTGTGTGAGCCCGCAGCTGACAGGACATCTTACAAGAGAAATTTGCACATCTCTG 1354
QY 1455 GAAGCTTAGCAATCTTATGTCACATGTTTCGCTGGAA-TTTTTTGAAGAGCACTTCCT 1513
Db 1355 GAAGCTTAGCAATCTTATGTCACATGTTTCGCTGGAAAGCTTTTGAAGAGCACTTCCT 1414
QY 1514 TCAGTGAGCTATGAGGTTTTCATTTTATTTCTCTCCACGCTGCTATCTCTGAA 1573
Db 1415 TCAGTGAGCTATGAGGTTTTCATTTTATTTCTCTCCACGCTGCTATCTCTGAA 1474
QY 1574 ACGAGCGTTAGAGTCCCGCTTAGACGGAGGAGGTTTCGTTAGAAAGCGGAC-CTGT 1632
Db 1475 ACGAGCGTTAGAGTCCCGCTTAGACGGAGGAGGTTTCGTTAGAAAGCGGACGCTGT 1534
QY 1633 TCTAAAAAGTCTCCTCGACATCTGTCTGGCTGTGATGAGCAATATATGAAATGTC 1692
Db 1535 TCTAAAAAGTCTCCTCGACATCTGTCTGGCTGTGATGAGCAATATATGAAATGTC 1594
QY 1693 CTTTTCGAAGAGATGTGTAGCTCCAAAGCTTTTCTATCGCAGTGTTCAGTTCCTT 1752
Db 1595 CTTTTCGAAGAGATGTGTAGCTCCAAAGCTTTTCTATCGCAGTGTTCAGTTCCTT 1654
QY 1753 ATTTTCCCTTGTGATATGCTGTGTGAACCGTGTGTGAGTGTGTATGCTGTATGATCAG 1812
Db 1655 ATTTTCCCTTGTGATATGCTGTGTGAACCGTGTGTGAGTGTGTATGCTGTATGATCAG 1714
QY 1813 ATGATTTTGTATAAGCAATCAATGTGACATTTGACAGCACTA CAAGTGGGCAATGT 1872
Db 1715 ATGATTTTGTATAAGCAATCAATGTGACATTTGACAGCACTA CAAGTGGGCAATGT 1774
QY 1873 TTGTTTCTTCCATATTTTGAAGATAAATTTATGTGTAGACTTTTGTGAAGATACGGTTA 1932
Db 1775 TTGTTTCTTCCATATTTGAAGATAAATTTATGTGTAGACTTTTGTGAAGATACGGTTA 1834
QY 1933 ATAACTAAAAATTTATGAAATGGCTTGCATATGACTCGTATTCAGATGCTTAAGAAAGC 1992
Db 1835 ATAACTAAAAATTTATGAAATGGCTTGCATATGACTCGTATTCAGATGCTTAAGAAAGC 1894
QY 1993 ATTTGCTGTACAAATATTTCTATTTTGAAGAGGTTTATGAGCAATGCCCCAGTTG 2052
Db 1895 ATTTGCTGTACAAATATTTCTATTTTGAAGAGGTTTATGAGCAATGCCCCAGTTG 1954
QY 2053 TCAGTCAGAGCGGTGTGGTGTGTTTTCATTTGTTTAAATGTCACTGTAAATGGGCAATAT 2112
Db 1955 TCAGTCAGAGCGGTGTGGTGTGTTTTCATTTGTTTAAATGTCACTGTAAATGGGCAATAT 2014
QY 2113 TTAAGTTTATTTTGTGATTCCTGATAATGTATGTATGTATGATTAAGAAAGCTCTGTACA 2172
Db 2015 TTATGTTTATTTTGTGATTCCTGATAATGTATGTATGTATGATTAAGAAAGCTCTGTACA 2074
QY 2173 TTGGGTATAACACTAGTATATTTAAACTTACAGGCTTATTTGTATGTATTAACCACTAT 2232
Db 2075 TTGGGTATAACACTAGTATATTTAAACTTACAGGCTTATTTGTATGTATTAACCACTAT 2134

QY 2233 TTAATGTACTGTAAATTAACATCGTTTATAATACGTACAAATCCTTCCCTCATCCCATCAC 2292
Db 2135 TTAATGTACTGTAAATTAACATCGTTTATAATACGTACAAATCCTTCCCTCATCCCATCAC 2194
QY 2293 AACTTTTTTTGTGTGATAAACTGATTTTGTGTTTGCATAAAACTTTGAAAAATAAAAA 2352
Db 2195 AACTTTTTTTGTGTGATAAACTGATTTTGTGTTTGCATAAAACTTTGAAAAATAAAAA 2254
QY 2353 AAAAAAATAAAAAA 2368
Db 2255 AAAAAAATAAAAAA 2270

RESULT 12

US-10-191-803-117
; Sequence 117, Application US/10191803
; Publication No. US20040014040A1
; GENERAL INFORMATION:
; APPLICANT: MENDRICK, Donna
; APPLICANT: PORTER, Mark
; APPLICANT: JOHNSON, Kory
; APPLICANT: HIGGS, Brandon
; APPLICANT: CASTLE, Arthur
; APPLICANT: ELASHOFF, Michael
; TITLE OF INVENTION: Cardiotoxin Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5090US
; CURRENT APPLICATION NUMBER: US/10/191,803
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/303,819
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,623
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/369,351
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: US 60/377,611
; PRIOR FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 1140
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 117
; LENGTH: 2435
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040014040A1 NM_019232
US-10-191-803-117

Query Match 59.9%; Score 1419.6; DB 16; Length 2435;
Best Local Similarity 79.9%; Pred. No. 0;
Matches 1915; Conservative 0; Mismatches 369; Indels 114; Gaps 16;

QY 37 GTGGTGATGACGGTGAATAAATCGAGCTGCTAAGGGCACCCCTCACTTACTCCGGATGAGG 96
Db 60 GGGGCGATGACCGTCAAAACCGAGGCTGCTCGAAGTACCCTCACTACTCCAGAATGAGG 119
QY 97 GGCATGTGGCAATTTCTCATCGTTTTATGAAGCAGAGAGAGATGCGTCTGAACGACTTT 156
Db 120 GGAATGTAGCAATCCCTCATCGTTTTATGAACAAGAGATGGGCTGAACGATTTT 179
QY 157 ATTGAGAGATGTCCAATPACTCCTATGATGCAAAACCCCTCAAGTTTCAGTCCATCTTG 216
Db 180 ATTCAGAGCTTGGCAACCACTCCTATGATGCAAAACCCCTCAAGTTTCATCTATTG 239
QY 217 AAGATCTCCCAACTCAGAGCTGAGCTTATGATGCCAACCTTCTCTCCACCAAGT 276
Db 240 AAAATCTCCCAACTCAGAGCTGAGCTTATGATGCCAACCTTCTCTCCACCAAGT 299
QY 277 CTTTCTCAGCAAAATCAACTTGGCCCGCTGCTCAATCTCATGTATAAACCACTCTGACTTT 336
Db 300 CCTCTCAACAAATCAACTGGTCCATCTCAATCCCCAGCAAAACCTCTGACTTC 359
QY 337 CACTTCTTGAAGTATCGGAAAGGCGAGTTTGGAAAGGTTTCTTCTAGCAAGACACAG 396

Db	360	CAC	TTC	TTG	AAAG	TGAT	TCG	AAA	AGG	CAG	TTT	TGG	AAA	AGG	TTCT	CTT	CAG	CAAG	GGC	CAAG	419	
QY	397	GC	AAG	AAAG	TGTT	CTAT	G	CAG	T	CAA	AGT	TTT	TAC	GAA	GAAG	CAAT	TCCT	TG	AAAA	AGAAA	456	
Db	420	GC	AAG	AAG	CA	TTCT	AT	G	CGT	CAA	AGT	TTT	TGC	AAG	GAAG	CCAT	CTT	TGA	AGA	GAAG	479	
QY	457	GAG	G	AAAG	CAT	AT	TAT	GT	CGG	AG	GAAT	TG	TTCT	GT	TGA	AG	AAAT	GT	GAA	GCAC	CCCTTC	516
Db	480	GAG	G	AAAG	CAT	AT	TAT	GT	CAG	AG	CAAT	TG	TTCT	GT	TGA	AG	AAAT	GT	GAA	GCAC	CCCTTC	539
QY	517	CT	GGT	GGC	CTT	CAC	TTT	CT	CTT	CC	GAC	TG	CTG	CAC	AAAT	TG	TAC	TTT	GT	CTT	AGACTAC	576
Db	540	CT	GGT	GGC	CTT	CAC	TTT	CT	CTT	CC	GAC	TG	CTG	CAC	AAAT	TG	TAC	TTT	GT	CTT	AGACTAC	599
QY	577	ATT	AA	TG	GT	CG	AG	T	TG	TTT	T	ACC	AT	CT	CC	AG	AGG	AAC	GC	TG	CTT	636
Db	600	ATT	AA	TG	GG	CG	AG	AG	CT	TG	TTT	T	ACC	AT	CT	CC	AG	AGG	AAC	GC	TG	659
QY	637	G	CT	CG	TTT	CT	AT	G	CT	TG	AAAT	AG	CC	AG	TG	CTT	TGG	CT	AC	CT	GCAAT	696
Db	660	G	CT	CG	TTT	CT	AT	G	CT	CG	TTT	CT	AT	G	CT	CG	TTT	CT	AT	G	CT	719
QY	697	G	TTT	AT	AG	AG	CT	T	AA	ACC	CAG	AGA	TAT	TTT	TG	CT	AG	AT	T	CAC	AGG	756
Db	720	G	TTT	AT	CG	AG	CT	T	AA	ACC	CAG	AGA	TAT	TTT	TG	CT	AG	AT	T	CAC	AGG	779
QY	757	ACT	G	AT	TT	CG	AG	CT	CT	CA	AGG	AG	A	CA	TT	GAA	CAC	AA	CAG	CAAC	CAAT	816
Db	780	ACT	G	AT	TT	CG	AG	CT	CT	CA	AGG	AG	A	CA	TT	GAA	CAC	AA	CAG	CAAC	CAAT	839
QY	817	GG	C	AC	CG	CG	AG	TAT	CT	CG	AC	CT	G	AG	TG	CTT	CAT	AA	G	CAG	CTT	876
Db	840	GG	C	AC	CG	CG	AG	TAT	CT	CG	AC	CT	G	AG	TG	CTT	CAT	AA	G	CAG	CTT	899
QY	877	G	ACT	GT	GT	GT	CT	G	G	AG	CT	GT	CT	TG	AT	G	AG	AT	CT	G	AG	936
Db	900	G	ACT	GT	GT	GT	CT	G	G	AG	CT	GT	CT	TG	AT	G	AG	AT	CT	G	AG	959
QY	937	AG	CG	AA	CA	C	AG	CT	G	TA	AAAT	TG	T	AC	G	CA	AA	CA	AT	TCT	G	996
Db	960	AG	CG	AA	CA	C	AG	CT	G	TA	AAAT	TG	T	AC	G	CA	AA	CA	AT	TCT	G	1016
QY	997	AA	T	AT	T	CA	AAAT	T	CG	CA	AG	CA	C	CT	CT	CG	AG	GC	T	CT	G	1056
Db	1017	AA	T	AT	T	CA	AAAT	T	CG	CA	AG	CA	C	CT	CT	CG	AG	GC	T	CT	G	1076
QY	1057	CG	CT	CG	GG	C	AG	AG	TG	AT	CT	C	AT	G	AG	AT	T	A	AG	AT	CT	1116
Db	1077	AG	CT	GG	GT	GC	CA	AG	AG	TG	AT	CT	TG	AT	G	AG	AT	T	A	AG	AT	1136
QY	1117	AA	CT	GG	AT	G	AT	CT	CA	T	AA	T	AA	GA	AG	AT	T	CC	CC	TT	T	1176
Db	1137	AA	CT	GG	AT	G	AT	CT	CA	T	AA	T	AA	GA	AG	AT	T	CC	CC	TT	T	1196
QY	1177	CC	CA	AG	AG	CT	AT	CG	CA	CT	TT	TG	AC	CC	CG	AG	TT	T	CC			

Qy	1469	-----TTAATGCACTGTTCCGTCGAATTTTTCGAGAGGACAT	1508
Db	1496	CGGGGCTGCACGGCGTCTTGACGGGAAGCTTTCGGAAGCTTTCGGAAGACACAT	1555
Qy	1509	TCTCCT--CAGTGAGCTCATGAGTTCATTTTATTTCTTCCTCCAAAGTGTGCTAT	1566
Db	1556	CCCTCTCAGTGAGCTTAGTGAAGTCTTCAITTTCTTTCTTCTTCCATCCAGTGGTGTAG	1615
Qy	1567	CTCTGAACGAGCGTTAGAGTGC CGCTTAGACGAGGCGAGGAGTTTCGTTAGAAAGCGG	1626
Db	1616	CTCT-AAAGGAGCTTGAGAGTGC CGCTGAGACGCACTTGGTCTCAGTGAGAAGGAAGA	1674
Qy	1627	ACCTGTTCTAAAAGGCTCTCTGCGAGATCTGTCTGGGCTGTGATGACGAATATTATGAA	1686
Db	1675	TGCAGGCTTAAGAGGACTTCC-----GCAGGCTCTGAGCTGTGATCAAGAATATTTCTGCA	1729
Qy	1687	ATGTGCCCTTTCTGAAGAGATCTGTGTAGCTCCAAAGCTTTTCCCTACGCAAGTGTTCAG	1746
Db	1730	ATGTGCCCTTTCT---GAGATTGTGTAGCTCCAAAGCTTTTCCATCGCAGAGTGTCCA	1786
Qy	1747	TTCTTTATTTTCCCTTGTGATATGCTGTGAACCGT-----	1784
Db	1787	GTTTTCTGTGTTTTTTTTTTTTTTTGTGTGTTTGTGTTTCTTTTCCCAACCCCTTG	1846
Qy	1785	-----CGTGTGAGTGTGGTATGCCCTGATCA CAGATGGATTTTGT	1824
Db	1847	CGTATTTCCCATGTGTGCAGTTAGTGTGAGTGTATGCCCTGATCACAGACAG-TTTTGT	1905
Qy	1825	ATAAGCATCAATGTGACACTTGCAGGACACTACAACGTGGGACATCTTTGTTTCTTCCA	1884
Db	1906	GTAAGCATCAATGTGACACTTGCAGGACACTCAATGTGGACATTTGTTTCTTCCA	1965
Qy	1885	TATTTGAAGATAAATTTATGTGTAGACTTTTTTTGTAAGATACGGT-TAATACTAAAT	1943
Db	1966	CATTTGAAGATAAATTTATGCGCAGACTGTTTTTTTTTGTAGATATAATACTAAAC	2025
Qy	1944	TTATTTGAATGGTCTTCCGAATGACTCGTATTCAGATGCCCTAAAGAAAGCATTTGCTGTAC	2003
Db	2026	CTATTTGAACGGTCTTCCAGCTGACGAGCATCCAGATGCTTTGAGGGAAGCATTTGCTGTAC	2085
Qy	2004	AAATATTTCTATTTTGAAGGGTTTTTATGGACCAATGCCCCAGTTGTCAAGTCAGC	2063
Db	2086	AAATATTTCTATTTTGAAGGGTTTTTATGGACCAATGCCCCAGTTGTCAAGTCAGC	2145
Qy	2064	CGTTGGTGTTTTTCATTTTAAATGTCACTGTAAATGGGCATTTATTATG-----	2117
Db	2146	CGTTGGTGTTCAT-----GTTTAAATGTCACTGTCAAAATGGGCATTTATTATGTTCCC	2200
Qy	2118	-----TTTTTTTTTTTGCAATTCCTGATAATGTATGTATTGTATAAGAACGTCGTAC	2171
Db	2201	CCCAACCTTTTGTCAATTTCTTTTGTCAATCCTGATTTATGTGTATAAGAAAGTCTGTAC	2260
Qy	2172	ATTGGGTTATAACACTAGTATATTAAACTTTACAGGCTTATTTGTAATGTAAACCCACAT	2231
Db	2261	ATTGGGTTATAACACTAG-AATTTTAAACTTACAGGCTTATT-----TGTAACCATCAT	2314
Qy	2232	TTTAAATGTACTGTAATTTAAACATGTGTTATAATACGTACAATCTTCCCTCATCCCATCACA	2291
Db	2315	TTTAAATGTCTGTAATTTAAACATGGTTATAACATGTATAACATGTACA--CTCCCCCTTACTCAACCACA	2371
Qy	2292	CAACTTTTTTTGTGTGTAT-AAACTGATTTTGGTTTGCATATAAAACCTTGAATAATA	2348
Db	2372	CAACTTTTTTTGTGTGTGTGAACCAATTTTGGTTTGCATATAAAATCTTTGAACACTA	2429

RESULT 13
US-10-403-161-3
; Sequence 3, Application US/10403161
; Publication No. US20040043930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David et al.
; TITLE OF INVENTION: NOVEL PROTEINS


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FILE REFERENCE: 21402-573C
CURRENT FILING DATE: 2003-03-31
PRIOR APPLICATION NUMBER: 60/370349
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 60/384543
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: 60/370969
PRIOR FILING DATE: 2002-04-08
PRIOR APPLICATION NUMBER: 60/403748
PRIOR FILING DATE: 2002-08-15
PRIOR APPLICATION NUMBER: 60/372019
PRIOR FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: 60/374379
PRIOR FILING DATE: 2002-04-22
PRIOR APPLICATION NUMBER: 09/779679
PRIOR FILING DATE: 2001-02-08
PRIOR APPLICATION NUMBER: 60/181045
PRIOR FILING DATE: 2000-02-08
PRIOR APPLICATION NUMBER: 10/055877
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: 60/262892
PRIOR FILING DATE: 2001-01-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 173
SOFTWARE: CuraSeqidist version 0.1
SEQ ID NO 3
LENGTH: 1315
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (14)...(1306)
US-10-403-161-3

Query Match      54.4%; Score 1289.8; DB 13; Length 1315;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1291; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 43 ATGACGGTGAACATGAGCTGCTTAAGGGCAACCTCACTTACTCCAGATGAGGGCATG 102
DB 14 ATGACGGTGAACATGAGCTGCTTAAGGGCAACCTCACTTACTCCAGATGAGGGCATG 73

QY 103 GTGGCAATTCATCGCTTTTCATGAAGCAGAGGAGGATGGCTCTGAAGCACTTTATTCCAG 162
DB 74 GTGGCAATTCATCGCTTTTCATGAAGCAGAGGAGGATGGCTCTGAAGCACTTTATTCCAG 133

QY 163 AAGATTGCCAATAAATCTTATGATGCAAAACACCCCTGAAGTTCACTTCAAGATC 222
DB 134 AAGATTGCCAATAAATCTTATGATGCAAAACACCCCTGAAGTTCACTTCAAGATC 193

QY 223 TCCCAACCTCAGGAGCTGAGCTTATGAATGCCAACCTTCTCCTCCACCAAGTCCCTTCT 282
DB 194 TCCCAACCTCAGGAGCTGAGCTTATGAATGCCAACCTTCTCCTCCACCAAGTCCCTTCT 253

QY 283 CAGCAATCAACCTTGGCCCGCTCGCTCAATCCTCATGCTAAACCATCTGACTTTCACTTC 342
DB 254 CAGCAATCAACCTTGGCCCGCTCGCTCAATCCTCATGCTAAACCATCTGACTTTCACTTC 313

QY 343 TTGAAAGTATCGAAAGGGCAGTTTGGAAAGTCTTCTAGCAAGACACCAAGGCAGAA 402
DB 314 TTGAAAGTATCGAAAGGGCAGTTTGGAAAGTCTTCTAGCAAGACACCAAGGCAGAA 373

QY 403 GAAGTGTCTATGAGTCAAGTCTTACAGAAAGCAACCTCTGAAAGAAAGAGAGGAG 462
DB 374 GAAGTGTCTATGAGTCAAGTCTTACAGAAAGCAACCTCTGAAAGAAAGAGAGGAG 433

QY 463 AAGCATATTATGTCGGAGCGGAATGTTCTGTGTGAAGAAATGGAAGCAACCTTCTCGTGTG 522
DB 434 AAGCATATTATGTCGGAGCGGAATGTTCTGTGTGAAGAAATGGAAGCAACCTTCTCGTGTG 493

QY 523 GGCCTTCACCTTCTTTCCAGACTGCTGACAAATGTTACTTTGTCCTAGACTACATTAAT 582
DB 523 GGCCTTCACCTTCTTTCCAGACTGCTGACAAATGTTACTTTGTCCTAGACTACATTAAT 582
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DB 494 GGCCTTCACCTTCTTTCCAGACTGCTGACAAATGTTACTTTGTCTCTAGACTACATTAAT 553
QY 583 GGTGGAGAGTTGTTCTTACCATCTCCAGAGGAAACGCTGCTTCTCTGGAAACCAAGGCTCGT 642
DB 554 GGTGGAGAGTTGTTCTTACCATCTCCAGAGGAAACGCTGCTTCTCTGGAAACCAAGGCTCGT 613
QY 643 TTCTATGCTGCTGAAATAGCAGTGCCTTGGGCTACCTGCAATTCACCTGAAACATCGTTTAT 702
DB 614 TTCTATGCTGCTGAAATAGCAGTGCCTTGGGCTACCTGCAATTCACCTGAAACATCGTTTAT 673
QY 703 AGAGACTTAAACACGAGAAATATTTTGTAGATTACAGGGGACACATTTGCTTCTTACTGAT 762
DB 674 AGAGACTTAAACACGAGAAATATTTTGTAGATTACAGGGGACACATTTGCTTCTTACTGAC 733
QY 763 TTGGGACTCTGCAAGAGGAAACATTTGAACAACAAGGACAAACATCCACCTTCTGTGGCAG 822
DB 734 TTGGGACTCTGCAAGAGGAAACATTTGAACAACAAGGACAAACATCCACCTTCTGTGGCAG 793
QY 823 CCGGAGTATCTCGCACCTGAGGCTGCTTCATGAAGCAGCCTTATGACAGGACTGTGAGCTGG 882
DB 794 CCGGAGTATCTCGCACCTGAGGCTGCTTCATGAAGCAGCCTTATGACAGGACTGTGAGCTGG 853
QY 883 TGTGTCCTGGAGCTGCTTGTATGAGATGCTGTATGAGCTTCCGCTTCTTTTATAGCGGA 942
DB 854 TGTGTCCTGGAGCTGCTTGTATGAGATGCTGTATGAGCTTCCGCTTCTTTTATAGCGGA 913
QY 943 AACACAGCTGAAATGTAGGACAAACATTTGAAACAGGCTCTCCAGCTGAAACCAAAATAT 1002
DB 914 AACACAGCTGAAATGTAGGACAAACATTTGAAACAGGCTCTCCAGCTGAAACCAAAATAT 973
QY 1003 ACAAATTCGCAAGACACCTCTCGAGGGCTCTCGAGAGGACAGGACAAAGCGCTC 1062
DB 974 ACAAATTCGCAAGACACCTCTCGAGGGCTCTCGAGAGGACAGGACAAAGCGCTC 1033
QY 1063 GGGCCCAAGGATGATCTTATGAGGATTAAGATCATGCTTCTTCTTCTTCTTCTTCTTCTTCT 1122
DB 1034 GGGCCCAAGGATGATCTTATGAGGATTAAGATCATGCTTCTTCTTCTTCTTCTTCTTCTTCT 1093
QY 1123 GATCATCTCATATATAGAGATTAATCTCCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1182
DB 1094 GATCATCTCATATATAGAGATTAATCTCCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1153
QY 1183 GAGCTACGGCACTTTGACCCCGAGTTTACCGAAGAGCTGTCCTCAACTCCATTTGAGTGGCCCAAC 1242
DB 1154 GACCTACGGCACTTTGACCCCGAGTTTACCGAAGAGCTGTCCTCAACTCCATTTGAGCAG 1213
QY 1243 TCCCTCAAGAGCTGCTCGTCAAGCAGCGTCAAGGAAGCTGCGGAGGCTTCTTCTAGGC 1302
DB 1214 TCCCTCAAGAGCTGCTCGTCAAGCAGCGTCAAGGAAGCTGCGGAGGCTTCTTCTAGGC 1273
QY 1303 TTTTCTTATGGCTTCCACGAGCTCTTCTCTC 1335
DB 1274 TTTTCTTATGGCTTCCACGAGCTCTTCTCTC 1306

RESULT 14
US-10-067-977-1
; Sequence 1, Application US/10067977
; Publication No. US20030157679A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chumhua and KE, Zhaoxi
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001313
; CURRENT FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1338
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-10-067-977-1

Query Match 51.4%; Score 1218.2; DB 15; Length 1338;
Best Local Similarity 99.8%; Pred. No. 8.4e-309;
Matches 1220; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 116 TCGCTTTTCATGACGAGGAGGATGGTCTGAAACGACTTTATTCAGAAGATTGCCAATA 175
Db 116 TGGCTTTTCATGACGAGGAGGATGGTCTGAAACGACTTTATTCAGAAGATTGCCAATA 175

QY 176 ACTTCATGATGCAACACCCCTGAAAGTTTCAGTCCATCTTTGAAGATCTCCCAACCTCAGG 235
Db 176 ACTCCTATGATGCAACACCCCTGAAAGTTTCAGTCCATCTTTGAAGATCTCCCAACCTCAGG 235

QY 236 AGCTGAGCTTATGAATGCAACCCCTTCTCTCCACCAAGTCTTCTCAGCAAAATCAACC 295
Db 236 AGCTGAGCTTATGAATGCAACCCCTTCTCTCCACCAAGTCTTCTCAGCAAAATCAACC 295

QY 296 TTGGCCCGTCTGCTCAATCCTCATGCTAAACCATCTGACTTTCACTTTCTTGAAAGTGATCG 355
Db 296 TTGGCCCGTCTGCTCAATCCTCATGCTAAACCATCTGACTTTCACTTTCTTGAAAGTGATCG 355

QY 356 GAAAGGGCAGTTTGGAAAGGTTCTTCTAGCAAGACACAAAGGAGAGTGTCTTATG 415
Db 356 GAAAGGGCAGTTTGGAAAGGTTCTTCTAGCAAGACACAAAGGAGAGTGTCTTATG 415

QY 416 CAGTCAAGTTTACAGAAAGAAAGCAATCTGAAAGAAAGAGAGAGCATATTATGT 475
Db 416 CAGTCAAGTTTACAGAAAGAAAGCAATCTGAAAGAAAGAGAGAGCATATTATGT 475

QY 476 CGGAGCGGAATGTCTGTCTGAAGATGTGAAGCACACCTTCTCTGGTGGGCTTCACTTCT 535
Db 476 CGGAGCGGAATGTCTGTCTGAAGATGTGAAGCACACCTTCTCTGGTGGGCTTCACTTCT 535

QY 536 CTTTCCAGACTGTGCAAAATTTACTTTCTCTAGACTACATTAATGTTGGAGAGTTGT 595
Db 536 CTTTCCAGACTGTGCAAAATTTACTTTCTCTAGACTACATTAATGTTGGAGAGTTGT 595

QY 596 TCTACCATCTCCAGAGGAAGCTGCTTCTCTGAAACACAGGGCTCGTTTCTATGCTGCTG 655
Db 596 TCTACCATCTCCAGAGGAAGCTGCTTCTCTGAAACACAGGGCTCGTTTCTATGCTGCTG 655

QY 656 AATATAGCAGTGTCTGGGCTTACTGCTATCTGCAATCACTGAAATCGTTTATAGAGCTTAAAC 715
Db 656 AATATAGCAGTGTCTGGGCTTACTGCTATCTGCAATCACTGAAATCGTTTATAGAGCTTAAAC 715

QY 716 CAGAGAAATATTTGCTAGATTTCAGGAGACATATGCTTACTGATTTCCGACTCTGCA 775
Db 716 CAGAGAAATATTTGCTAGATTTCAGGAGACATATGCTTACTGATTTCCGACTCTGCA 775

QY 776 AGAGAAACATTGAAACACAGACACATCTCACCCTTCTGTGGCACCGCGAGTATCTCG 835
Db 776 AGAGAAACATTGAAACACAGACACATCTCACCCTTCTGTGGCACCGCGAGTATCTCG 835

QY 836 CACCTGAGTGTCTTATPAAGCAGCTTATGACAGGACTGTGACTGTGTGCTGGGAG 895
Db 836 CACCTGAGTGTCTTATPAAGCAGCTTATGACAGGACTGTGACTGTGTGCTGGGAG 895

QY 896 CTGCTTTGTAAGAGTGTCTATGGCTGCGGCTTTTATAGCGAAACACAGCTGAAA 955
Db 896 CTGCTTTGTAAGAGTGTCTATGGCTGCGGCTTTTATAGCGAAACACAGCTGAAA 955

QY 956 TGTAACGACAACTTCTGAAACAGCTCTCAGCTGAAACCAATATTACAAATTCGCA 1015
Db 956 TGTAACGACAACTTCTGAAACAGCTCTCAGCTGAAACCAATATTACAAATTCGCA 1015

QY 1016 GACACCTCTCGGGGCTCTCTGAGAGGACAGGACAAAGCGCTCGGGGCCAAGGATG 1075
Db 1016 GACACCTCTCGGGGCTCTCTGAGAGGACAGGACAAAGCGCTCGGGGCCAAGGATG 1075

QY 1076 ACTTCATGAGATTAAGAGTCACTGCTTCTTCTTAAATTAATGCGGATGATCTCATTA 1135
Db 1076 ACTTCATGAGATTAAGAGTCACTGCTTCTTCTTAAATTAATGCGGATGATCTCATTA 1135

RESULT 15

US-10-067-977-3

; Sequence 3, Application US/10067977

; Publication No. US20030157679A1

; GENERAL INFORMATION:

; APPLICANT: YAN, Chunhua and KE, Zhaoxi

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: CL001313

; CURRENT APPLICATION NUMBER: US/10/067,977

; CURRENT FILING DATE: 2002-02-08

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 10573

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-067-977-3

Query Match 48.6%; Score 1152.6; DB 15; Length 10573;

Best Local Similarity 99.1%; Pred. No. 5.9e-291;

Matches 1180; Conservative 0; Mismatches 9; Indels 2; Gaps 2;

Qy	1648	CTGCAGATCTGCTCGGCTGTGATGACGAATATTATGAAATGTCGCTTTTCTGAAGAGAT	1707
Db	7884	CTGCAGATCTGCTCGGCTGTGATGACGAATATTATGAAATGTCGCTTTTCTGAAGAGAT	7943
Qy	1708	TGTGTTAGCTCAAAAGCTTTTCTATCCAGTGTTCAGTTCCTTTATTTTCCCTTGTGGA	1767
Db	7944	TGTGTTAGCTCAAAAGCTTTTCTATCCAGTGTTCAGTTCCTTTATTTTCCCTTGTGGA	8003
Qy	1768	TATGCTGTGTGAACCGTGTGTGAGTGTGGTATGCTGATCACAGATGGATTTGTTTATA	1827
Db	8004	TATGCTGTGTGAACCGTGTGTGAGTGTGGTATGCTGATCACAGATGGATTTGTTTATA	8063
Qy	1828	AGCATCAATGTGACACTTGCAGGACACTACAAACGTGGGACATTTGTTCTTCCATAT	1887
Db	8064	AGCATCAATGTGACACTTGCAGGACACTACAAACGTGGGACATTTGTTCTTCCATAT	8123
Qy	1888	TTGGAAGATAAATTATGTGTAGACTTTTTTTGTAGATACGGTTAAATACTAAAAATTTAT	1947
Db	8124	TTGGAAGATAAATTATGTGTAGACTTTTTTTGTAGATACGGTTAAATACTAAAAATTTAT	8183
Qy	1948	TGAAATGCTCTTGCATCACTCGTATTCAGATGCCCTAAGAAAGCAATGCTGCTACAAAT	2007
Db	8184	TGAAATGCTCTTGCATCACTCGTATTCAGATGCCCTAAGAAAGCAATGCTGCTACAAAT	8243
Qy	2008	ATTTCTATTTTGAAGAGGTTTTTATGGACCAATGCCCGAGTTGTCAGTCAGAGCCGTT	2067
Db	8244	ATTTCTATTTTGAAGAGGTTTTTATGGACCAATGCCCGAGTTGTCAGTCAGAGCCGTT	8303
Qy	2068	GGTGTTTTTCATTTGTTTAAAAATGTCACCTGTAAAAATGGGCATTTATTTATGTTTTTTT	2127
Db	8304	GGTGTTTTTCATTTGTTTAAAAATGTCACCTGTAAAAATGGGCATTTATTTATGTTTTTTT	8363
Qy	2128	TGCATTCCTGATATTTGCTATGTTATGATAAGAACGTCGTACATTCGGTTTAAACACT	2187
Db	8364	TGCATTCCTGATATTTGCTATGTTATGATAAGAACGTCGTACATTCGGTTTAAACACT	8423
Qy	2188	AGTATATTTAACTTACAGGCTTATTTGTATGTAATGTAACCAACCATTTTAACTGTAAAT	2247
Db	8424	AGTATATTTAACTTACAGGCTTATTTGTATGTAATGTAACCAACCATTTTAACTGTAAAT	8483
Qy	2248	TAAATGTTTATATAGTACAATCCCTTCCTCATCCCATCACACAACCTTTTTTGTGTG	2307
Db	8484	TAAATGTTTATATAGTACAATCCCTTCCTCATCCCATCACACAACCTTTTTTGTGTG	8543
Qy	2308	TGATAAACTGATTTTGGTTTGCATTAACACCTTGAAATAAATAAAAAAAA	2358
Db	8544	TGATAAACTGATTTTGGTTTGCATTAACACCTTGAAATAAATAAAAAAAA	8594

Search completed: September 18, 2004, 23:37:13
Job time : 1127 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 18, 2004, 18:46:05 : Search time 176 Seconds
(without alignments)
7472.918 Million cell updates/sec

Title: US-10-000-039A-1
Perfect score: 2370
Sequence: 1 CACGAGGAGCGCTACGTC.....AAAAAAAAAAAAAAAAAAAA 2370

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PTCUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	2370	100.0	2370	4	US-09-031-295-1
2	2262.8	95.5	2311	2	US-08-712-709-6
3	2262.8	95.5	2311	3	US-09-111-444-6
4	2262.8	95.5	2311	3	US-09-541-228-6
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6	252	10.6	2181	4	US-09-417-197-70
7	252	10.6	2184	2	US-09-417-197-138
8	252	10.6	2610	2	US-09-212-771-1
9	252	10.6	2610	3	US-09-091-058-1
10	252	10.6	2610	4	US-09-023-655-1206
11	250.6	10.6	3321	4	US-09-023-655-1361
12	245.2	10.3	1599	3	US-09-256-465-1
13	245.2	10.3	1599	4	US-09-167-322-3
14	245.2	10.3	1599	4	US-09-023-655-1004
15	239.4	10.1	2245	4	US-09-225-749-24
16	232.6	9.8	2274	4	US-09-772-647-3
17	232.2	9.8	2599	6	5266464-1
18	229	9.7	2244	3	US-09-094-714A-48
19	227.6	9.6	2104	3	US-09-313-930-1
20	227.6	9.6	2104	4	US-09-023-655-1191
21	217	9.2	2751	4	US-09-417-197-72
22	214.6	9.1	2754	3	US-09-429-322-3
23	197	8.3	1732	4	US-09-430-564-1
24	195.2	8.2	2556	4	US-09-817-310-1
25	185.6	7.8	266	1	US-09-985-799-164
26	185.6	7.8	266	1	US-08-594-031-164
27	184.4	7.8	3255	4	US-09-016-434-1471

28 183 7.7 183 3 US-09-040-984-56 Sequence 56, Appl
29 183 7.7 183 4 US-09-123-912-56 Sequence 56, Appl
30 183 7.7 183 4 US-09-643-597-56 Sequence 56, Appl
31 183 7.7 183 4 US-09-480-884A-56 Sequence 56, Appl
32 183 7.7 183 4 US-09-542-615A-56 Sequence 56, Appl
33 183 7.7 183 4 US-09-606-421B-56 Sequence 56, Appl
34 183 7.7 183 4 US-09-221-107-56 Sequence 56, Appl
35 181.8 7.7 1008 4 US-09-394-455-3 Sequence 3, Appl
36 181.8 7.7 2549 3 US-09-467-082-3 Sequence 3, Appl
37 181.8 7.7 2549 4 US-09-394-455-5 Sequence 5, Appl
38 181.8 7.7 2608 4 US-09-394-455-35 Sequence 35, Appl
39 180.2 7.6 1788 4 US-09-417-197-68 Sequence 68, Appl
40 180.2 7.6 2211 4 US-09-394-455-39 Sequence 39, Appl
41 179.2 7.6 2146 4 US-09-842-307-1 Sequence 1, Appl
42 179.2 7.6 2146 4 US-09-023-655-1362 Sequence 1362, Ap
43 179.2 7.6 2201 4 US-09-566-921-52 Sequence 52, Appl
44 177.6 7.5 1637 2 US-08-966-316-10 Sequence 10, Appl
45 177.2 7.5 4438 4 US-09-566-921-81 Sequence 81, Appl

ALIGNMENTS

RESULT 1
US-09-031-295-1
; Sequence 1, Application US/09031295
; Patent No. 6326181
; GENERAL INFORMATION:
; APPLICANT: LANG, Florian
; APPLICANT: WALDEGGER, Tubingen
; TITLE OF INVENTION: CELL VOLUME-REGULATED HUMAN KINASE H-SCK
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/031,295
; FILING DATE: 26-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 197-08-173.8
; FILING DATE: 28-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Sandercok, Colin G.
; REGISTRATION NUMBER: 31,298
; REFERENCE/POCKET NUMBER: 058315/0123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2370 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 43..1335
; US-09-031-295-1

Query Match 100.0%; Score 2370; DB 4; Length 2370;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2370; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	CACGAGGAGCGCTAACGTCCTTCTCTCTCCCGCGGTGGTGATGACGGTGAAAACTGAG	60	QY	1081	ATGGAGATTAAAGATCATGTCTTCTCTCTTAAATTAACTGGGATGATCTCATTAATAAG	1140
Db	1	CACGAGGAGCGCTAACGTCCTTCTCTCTCCCGCGGTGGTGATGACGGTGAAAACTGAG	60	Db	1081	ATGGAGATTAAAGATCATGTCTTCTCTCTTAAATTAACTGGGATGATCTCATTAATAAG	1140
QY	61	GCTGCTAAGGGACCCCTCACTTACTCCAGATGAGGGGATGGTGCAATTCTCATCGCT	120	QY	1141	AAGATTACTCCCCCTTTTAAACCAATGTAGTGGGCCCAACGAGCTACGGCACTTTTGAC	1200
Db	61	GCTGCTAAGGGACCCCTCACTTACTCCAGATGAGGGGATGGTGCAATTCTCATCGCT	120	Db	1141	AAGATTACTCCCCCTTTTAAACCAATGTAGTGGGCCCAACGAGCTACGGCACTTTTGAC	1200
QY	121	TTCAATGAACAGAGAGGATGGGTCTGAACGACTTTATTTCAGAAGATTGCCAATAACTCC	180	QY	1201	CCGGATTTTACCGAAGAGCTGTCCCAACTCCATTCGCAAGTCCCTCCACAGCGTCCTC	1260
Db	121	TTCAATGAACAGAGAGGATGGGTCTGAACGACTTTATTTCAGAAGATTGCCAATAACTCC	180	Db	1201	CCGGATTTTACCGAAGAGCTGTCCCAACTCCATTCGCAAGTCCCTCCACAGCGTCCTC	1260
QY	181	TATGATGAACCAACCCCTCAAGTTTCACTCTTGAAGATCTCCCAACTCAGGAGCT	240	QY	1261	GTCAACGCCAGCGTCAAGGAAGCTGCCGAGGCTTCTTAGGCTTTTCTATGCGCTCC	1320
Db	181	TATGATGAACCAACCCCTCAAGTTTCACTCTTGAAGATCTCCCAACTCAGGAGCT	240	Db	1261	GTCAACGCCAGCGTCAAGGAAGCTGCCGAGGCTTCTTAGGCTTTTCTATGCGCTCC	1320
QY	241	GAGCTTATGAATGCCAACCCCTTCTCCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGC	300	QY	1321	ACGGACTCTTCTCTGAAACCCCTGTAGGGCTTGGTTTAAAGGATTTTATGTGTGTTTC	1380
Db	241	GAGCTTATGAATGCCAACCCCTTCTCCTCCACCAAGTCTTCTCAGCAAAATCAACCTTGGC	300	Db	1321	ACGGACTCTTCTCTGAAACCCCTGTAGGGCTTGGTTTAAAGGATTTTATGTGTGTTTC	1380
QY	301	CGTCTGCTCAATCCTCATGCTAAACCATCTGACTTTTCACTTCTTGAAGTGAATCGAAG	360	QY	1381	CGAATGTTTTAGTTAGCTTTTGGTGGAGCCGCCAGCTGACAGGACATCTTACAAGAGAA	1440
Db	301	CGTCTGCTCAATCCTCATGCTAAACCATCTGACTTTTCACTTCTTGAAGTGAATCGAAG	360	Db	1381	CGAATGTTTTAGTTAGCTTTTGGTGGAGCCGCCAGCTGACAGGACATCTTACAAGAGAA	1440
QY	361	GGCAGTTTTGAAAAGGTTCTTCTAGCAAGACACAAGGCGAGAGTGTCTATGCAGTC	420	QY	1441	TTTGCACATCTCTGGAAGCTTAGCAATCTTATTGACACACTGTTCGCTGGAATTTTTTGAA	1500
Db	361	GGCAGTTTTGAAAAGGTTCTTCTAGCAAGACACAAGGCGAGAGTGTCTATGCAGTC	420	Db	1441	TTTGCACATCTCTGGAAGCTTAGCAATCTTATTGACACACTGTTCGCTGGAATTTTTTGAA	1500
QY	421	AAAGTTTTACAGAAGAAACAATCTCTGAAAAAAGAAAGAGAGACATATTATGTCGGAG	480	QY	1501	GAGCAATTTCTCCTCAGTGAGCTCATGAGGTTTTCAATTTTATTTCTTCTTCCAAAGTGG	1560
Db	421	AAAGTTTTACAGAAGAAACAATCTCTGAAAAAAGAAAGAGAGACATATTATGTCGGAG	480	Db	1501	GAGCAATTTCTCCTCAGTGAGCTCATGAGGTTTTCAATTTTATTTCTTCTTCCAAAGTGG	1560
QY	481	CGGAATGTTCTGTGAAGATGTGAAGCACCCTTCTCGTGGGCCCTTCACTTCTCTTTC	540	QY	1561	TCGTATCTCTGAAAAGAGGTTAGAGTCCGCTTAGACGGAGGAGGAGTTTCGTGTAGA	1620
Db	481	CGGAATGTTCTGTGAAGATGTGAAGCACCCTTCTCGTGGGCCCTTCACTTCTCTTTC	540	Db	1561	TCGTATCTCTGAAAAGAGGTTAGAGTCCGCTTAGACGGAGGAGGAGTTTCGTGTAGA	1620
QY	541	CAGACTGCTGACAAATGTACTTTGTCTAGACTACATTAATGTTGGTGGAGTGTTCCTAC	600	QY	1621	AAAGCGGACCTGTTCTAAAAAAGGTCTCTGCGAGATCTGTCTGGGCTGTGATGACGAATAT	1680
Db	541	CAGACTGCTGACAAATGTACTTTGTCTAGACTACATTAATGTTGGTGGAGTGTTCCTAC	600	Db	1621	AAAGCGGACCTGTTCTAAAAAAGGTCTCTGCGAGATCTGTCTGGGCTGTGATGACGAATAT	1680
QY	601	CACTCTCAGAGGGAAGCTGCTCTCGGAAACCAACCGGCTCGTTTCTATGCTGAAATA	660	QY	1681	TAATGAAAATGTCCTTTTCTGAAGAGATTGTGTAGCTCCTGAGCTTCTTATCGCAGTG	1740
Db	601	CACTCTCAGAGGGAAGCTGCTCTCGGAAACCAACCGGCTCGTTTCTATGCTGAAATA	660	Db	1681	TAATGAAAATGTCCTTTTCTGAAGAGATTGTGTAGCTCCTGAGCTTCTTATCGCAGTG	1740
QY	661	GCCAGTGCCTTGGGCTACCTGCAATTCATGAAATCGTTTATAGACATTAACCAAGAG	720	QY	1741	TTTTCAGTCTTTTATTTTCCCTTGCGATGCTGTGTGAACCGTGTGTGAGTGTGGTAT	1800
Db	661	GCCAGTGCCTTGGGCTACCTGCAATTCATGAAATCGTTTATAGACATTAACCAAGAG	720	Db	1741	TTTTCAGTCTTTTATTTTCCCTTGCGATGCTGTGTGAACCGTGTGTGAGTGTGGTAT	1800
QY	721	AATATTTTCTAGATTCACAGGACACATTTGCTTACTTGAATTCGGACTCTGCAAGGAG	780	QY	1801	GCTGATCAAGATGGATTTTGTATAGCATCAATGTGACACTTGCAGGACACTACAAC	1860
Db	721	AATATTTTCTAGATTCACAGGACACATTTGCTTACTTGAATTCGGACTCTGCAAGGAG	780	Db	1801	GCTGATCAAGATGGATTTTGTATAGCATCAATGTGACACTTGCAGGACACTACAAC	1860
QY	781	AACATTGAACAAACAGACCAACATCCACTTCTGTGGACGCGGAGTATCTCGACCT	840	QY	1861	GTGGGACATGTTGTTTCTTCCATTTTGGGAAGATAAATTTATGTTGTTAGACTTTTGTGT	1920
Db	781	AACATTGAACAAACAGACCAACATCCACTTCTGTGGACGCGGAGTATCTCGACCT	840	Db	1861	GTGGGACATGTTGTTTCTTCCATTTTGGGAAGATAAATTTATGTTGTTAGACTTTTGTGT	1920
QY	841	GAGGTGCTTCAATGAGCCTTATGACAGGACTGTGGAATGTTGTTGCTTGGGAGCTGTC	900	QY	1921	AAGATACGTTTAACTAAATAATTTATGAAATGTTTGAATGCTCGTATTCAGATG	1980
Db	841	GAGGTGCTTCAATGAGCCTTATGACAGGACTGTGGAATGTTGTTGCTTGGGAGCTGTC	900	Db	1921	AAGATACGTTTAACTAAATAATTTATGAAATGTTTGAATGCTCGTATTCAGATG	1980
QY	901	TTGTATGAGATGCTGTATGGCTTGGCCCTTTTATAGCCGAAACACAGCTGAAATGTATC	960	QY	1981	CCTAAAGAAAGCAATTCGCTGCTACAAATATTTCTATTTTATAGAAAGGGTTTTTATG	2040
Db	901	TTGTATGAGATGCTGTATGGCTTGGCCCTTTTATAGCCGAAACACAGCTGAAATGTATC	960	Db	1981	CCTAAAGAAAGCAATTCGCTGCTACAAATATTTCTATTTTATAGAAAGGGTTTTTATG	2040
QY	961	GACAACTTCTGAACAGCCTCTCAGCTGAAACCAAAATATTACAAATTCGCGAAGAC	1020	QY	2041	ATGCCCGAGTTGTCAGTCAAGCCGTTGGTGTGTTTTTTCATGTTTAAATGTCACTGTA	2100
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QY	1021	CTCCTGGGGCTCCTGAGAGGACAGACAAAGCGCTGGGGCCCAAGATGACTTC	1080	QY	2101	AATGGGCATTTATTTATGTTTTTTTTTTCATTTCTGATAATCTCTGATAATTTGTTATA	2160
Db	1021	CTCCTGGGGCTCCTGAGAGGACAGACAAAGCGCTGGGGCCCAAGATGACTTC	1080	Db	2101	AATGGGCATTTATTTATGTTTTTTTTTTCATTTCTGATAATCTCTGATAATTTGTTATA	2160
				QY	2161	AACGTCGTACATGGGTTTAACTAGTATATTTTAACTTACAGGCTTTATTTGTTAATG	2220

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Db 2161 AACGTCGTACATGGGCTATAACACACTAGTATATTTAAACCTTACAGGCTTATTGTAATG 2220
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Qy 2281 ATCCCATCACACAACTTTTGTGTGTGATATAAAGTATTTGTTTGGCAATAAAGCTT 2340
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Qy 2341 GAAAAATAAAAAAATAAAAAAATAAAAAA 2370
Db 2341 GAAAAATAAAAAAATAAAAAAATAAAAAA 2370

RESULT 2
US-08-712-709-6
; Sequence 6, Application US/08712709
; Patent No. 5863780
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/712,709
; FILING DATE: Filed Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2311 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
US-08-712-709-6

Query Match 95.5%; Score 2262.8; DB 2; Length 2311;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 2300; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

Qy 34 GCGGTGGTGTACGCGTGAAGTAACTGAGGCTGTGAAGGCAACCTTACTTCCAGGATG 93
Db 1 GCGGTGGTGTACGCGTGAAGTAACTGAGGCTGTGAAGGCAACCTTACTTCCAGGATG 60

Qy 94 AGGGCATGGTGGCAATTTCTATCGCTTTTCAAGACGAGAGGATGGGTCTGAACGAC 153
Db 61 AGGGCATGGTGGCAATTTCTATCGCTTTTCAAGACGAGAGGATGGGTCTGAACGAC 120

Qy 154 TTTATTGAGAGATTGCCAATAAATCTCTATGATGCAACACCCCTGAAGTTCAGTCCATC 213
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Db 241 AGTCCTTCTCAGCAAAATCAACCTTGGCCCGTCGTCCAATCTCATGTATAAACCATCTGAC 300
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Db 301 TTTTCACTTCTTGAAGATGATCGGAAAGGCGAGTTTGGAAAGGTTTCTTCTAGCAAGACAC 360
Qy 394 AAGCAGAGAAGTGTCTATGATGCAAAATTTTACAGAAAGAAAGCAATCTCTGAAAAAG 453
Db 361 AAGCAGAGAAGTGTCTATGATGCAAAATTTTACAGAAAGAAAGCAATCTCTGAAAAAG 420
Qy 454 AAGAGAGAGAAGCATATTTATGTCGGAGCGGAATGTTCTTGTGAAGATGTGAACACCCCT 513
Db 421 AAGAGAGAGAAGCATATTTATGTCGGAGCGGAATGTTCTTGTGAAGATGTGAACACCCCT 480
Qy 514 TTCCTGTGGGCTTCACTTCTCTTCCAGACTGCTGACAAATTTGTTACTTTGTCTTAGAC 573
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Qy 874 GTGACTGGTGGTGGGAGCTGCTTGTATGAGATGCTGTATGGCCTGCCGCTTTT 933
Db 841 GTGACTGGTGGTGGGAGCTGCTTGTATGAGATGCTGTATGGCCTGCCGCTTTT 900
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Db 961 CCAATATTACAAATTCGCAAGACACTCTCTGAGGCGCTCTCTGCAAGAGCAGACACA 1020
Qy 1054 AAGCGGCTCGGGGCAAGGATGACTTCTATGAGATTAAGAGTCAATGCTTCTTCTCTTA 1113
Db 1021 AAGCGGCTCGGGGCAAGGATGACTTCTATGAGATTAAGAGTCAATGCTTCTTCTCTTA 1080
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Db 1081 ATTAACCTGGGATGATCTAATTAAGAGATTAATTAAGAGATTAATTAAGAGATTAATTAAG 1140
Qy 1174 GGGCCCAACGAGCTACGCGCTTTGACCCGAGTTTACCGAAGAGCTGTCCCACTCC 1233
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Db 1261 TTCCTAGGCTTTTCTATCGGCTCCACGAGCTCTTCTCTGAACCTGTAGGGCTT 1320
QY 1354 GCTTTTAAAGGATTTATGTGTGTTTCCGAATGTTTATGTAGCCCTTTTGGTGGAGCCGC 1413
Db 1321 GCTTTTAAAGGATTTATGTGTGTTTCCGAATGTTTATGTAGCCCTTTTGGTGGAGCCGC 1380
QY 1414 CAGCTGACAGGACATCTTACAGAGAAATTTGACATCTCTGGAAGCTTAGCAATCTTATT 1473
Db 1381 CAGCTGACAGGACATCTTACAGAGAAATTTGACATCTCTGGAAGCTTAGCAATCTTATT 1440
QY 1474 GCACACTGTTTCCTCGAA-TTTTTTGAAGAGCACATCTCTCAGTGAGCTCATGAGTT 1532
Db 1441 GCACACTGTTTCCTCGAAGCTTTTGAAGAGCACATCTCTCAGTGAGCTCATGAGTT 1500
QY 1533 TTTCAATTTTATTTCTTCTTCCAAAGTGTGTATCTCTGAAACGAGCGTTAGAGTCCGC 1592
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QY 1593 CTTAGACGAGCAGGAGTTTCTTTAGAAAGCGGAC-CTGTTCTAAAAAGGCTCTCTGC 1651
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Db 1621 AGATCTGTCTGGCTGTGATGAGCAATATTGAATGTCCTTTCTGAAG-AGATTGT 1680
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Db 1681 GTTAGCTCCAAAGCTTTTCTATCGCAGTGTTCAGTCTCTTATTTTCCCTTGTGATAT 1740
QY 1771 GCTGTGTGAACCGTGTGTGAGTGTGTATGCTGATCAAGATGATTTTGTATTAAGC 1830
Db 1741 GCTGTGTGAACCGTGTGTGAGTGTGTATGCTGATCAAGATGATTTTGTATTAAGC 1800
QY 1831 ATCAATGTGACACTTTCAGGACACTACACGTTGGGACATTTGTTTCTTCCATATTG 1890
Db 1801 ATCAATGTGACACTTTCAGGACACTACACGTTGGGACATTTGTTTCTTCCATATTG 1860
QY 1891 GAAGATAAATTTATGTGTAGACTTTTGTGAAGATACGGTTAATAACTAAAAATTTATGA 1950
Db 1861 GAAGATAAATTTATGTGTAGACTTTTGTGAAGATACGGTTAATAACTAAAAATTTATGA 1920
QY 1951 AATGCTCTTGCATGACCTGATTCAGATCCCTAAGAAAGCAATTCCTGCTACAAATATT 2010
Db 1921 AATGCTCTTGCATGACCTGATTCAGATCCCTAAGAAAGCAATTCCTGCTACAAATATT 1980
QY 2011 TCTATTTTATGAAAGGTTTATGACCAATGCCCGCTTGTCTGAGTCAAGCCGTTGGT 2070
Db 1981 TCTATTTTATGAAAGGTTTATGACCAATGCCCGCTTGTCTGAGTCAAGCCGTTGGT 2040
QY 2071 GTTTTTCATTTGTTTAAATGTCACCTGTAAATGGGCAATTAATGTTTTTTTTTTCG 2130
Db 2041 GTTTTTCATTTGTTTAAATGTCACCTGTAAATGGGCAATTAATGTTTTTTTTTTCG 2100
QY 2131 ATTCCTGATAATGATGATTTGATTAAGAACGTCGTACATTTGGGTTTAACTAGT 2190
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QY 2191 ATATTTAACTTACAGGCTTATTTGTAATGTAAGCACCATTTTAACTGTAATTA 2250
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QY 2311 TAACTGATTTTGGTTTGCATTAATAAACCTTG 2341
Db 2281 TAACTGATTTTGGTTTGCATTAATAAACCTTG 2311
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RESULT 3

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US-09-111-444-6
; Sequence 6, Application US/09111444
; Patent No. 6045792
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Guegler, Karl J.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,444
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/712,709
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0118 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2311 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
; US-09-111-444-6
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Query Match 95.5%; Score 2262.8; DB 3; Length 2311;

Best Local Similarity 99.5%; Pred. No. 0;
Matches 2300; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

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2281 TAAACTGATTTTGGTTTGGCAATAAACCCTTG 2311

RESULT 4

US-09-541-228-6

; Sequence 6, Application US/09541228

; Patent No. 6232077

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Guegler, Karl J.

; APPLICANT: Hawkins, Phillip R.

; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASES

```

1 NUMBER OF SEQUENCES: 9
2 CORRESPONDENCE ADDRESS:
3 ADDRESS: Incyte Pharmaceuticals, Inc.
4 STREET: 3174 Porter Drive
5 CITY: Palo Alto
6 STATE: CA
7 COUNTRY: U.S.
8 ZIP: 94304
9 COMPUTER READABLE FORM:
10 MEDIUM TYPE: Diskette
11 COMPUTER: IBM Compatible
12 OPERATING SYSTEM: DOS
13 SOFTWARE: FastSeq Version 1.5
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/09/541,228
16 FILING DATE:
17 PRIOR APPLICATION DATA:
18 APPLICATION NUMBER: 08/712,709
19 FILING DATE:
20 ATTORNEY/AGENT INFORMATION:
21 NAME: Billings, Lucy J
22 REGISTRATION NUMBER: 36,749
23 REFERENCE/DOCKET NUMBER: PF-0118 US
24 TELECOMMUNICATION INFORMATION:
25 TELEPHONE: 415-855-0555
26 TELEFAX: 415-845-4166
27 INFORMATION FOR SEQ ID NO: 6:
28 SEQUENCE CHARACTERISTICS:
29 LENGTH: 2311 base pairs
30 TYPE: nucleic acid
31 STRANDEDNESS: single
32 TOPOLOGY: linear
33 MOLECULE TYPE: cDNA
34 IMMEDIATE SOURCE:
35 LIBRARY:
36 CLONE: Consensus
37 US-09-541-228-6

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Query Match	95.5%;	Score 2262.8;	DB 3;	Length 2311;
Best Local Similarity	99.5%;	Pred. No. 0;		
Matches 2300;	Conservative	0;	Mismatches 8;	Indels 3; Gaps 3;
QY	34	GGGTTGGTCATGACGGTGAATACTGAGGCTCTTAAGGCGACCTCTACTTACTCCAGGATG 93		
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QY	94	AGGCGCATGGTGGCAATTCTCATCGCTTTTCATGAAGCAGAGGAGGATGGGTCTGAACGAC 153		
Db				
61	AGGCGCATGGTGGCAATTCTCATCGCTTTTCATGAAGCAGAGGAGGATGGGTCTGAACGAC 120			
QY	154	TTTATTTCAGAAGATTGCCAATAAATCTCTATGCATGCAACACCTCGAAGTTTCAGTCCATC 213		
Db				
121	TTTATTTCAGAAGATTGCCAATAAATCTCTATGCATGCAACACCTCGAAGTTTCAGTCCATC 180			
QY	214	TTGAAGAATCTCCAACTTCAGGAGCTGAGCTTANGAATGCCAACCTCTTCCTCCACCA 273		
Db				
181	TTGAAGAATCTCCAACTTCAGGAGCTGAGCTTANGAATGCCAACCTCTTCCTCCACCA 240			
QY	274	AGTCCTCTTCAGCAAAATCAACTTGGCCGCTGCTCGAATCCTCATGCTAAACCATCTGAC 333		
Db				
241	AGTCCTCTTCAGCAAAATCAACTTGGCCGCTGCTCGAATCCTCATGCTAAACCATCTGAC 300			
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361	IAGGCAGAAGAGTGTTCTATGCAGTCAAAGTTTTACAGAAGAAAGCAATCTCTGAAAAG 420			
QY	454	AAAGGAGGAGACATATTATGTTCGGACCGGAATGTCTGTGTAAGAAATGTGAAGCACCTT 513		
Db				
421	AAAGGAGGAGACATATTATGTTCGGACCGGAATGTCTGTGTAAGAAATGTGAAGCACCTT 480			

QY	514	TTCTGGTGGGCGCTTCACATCTCTTTCCAGACTGCTGCAAAATGTACTTTGTCTCTAGAC	571
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QY	754	CTTACTGATTTTCGGACTCTGCAAGGAGAAATCAACAACAGCACAAACATCCACCTTC	813
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QY	874	GTGCACTGGTGGTGCCTGGAGCTGCTGTGTACAGATGCTGTATGGCTGCGCGCTTTT	933
DB	841	GTGCACTGGTGGTGCCTGGAGCTGCTGTGTATAGATGCTGTATGGCTGCGCGCTTTT	900
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QY	1414	CAGCTCACAGGACATCTTACAGAGAAATTGCAATCTCTGGAAGCTTTAGCAATCTTATT	1473
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QY	1474	GCACTGTTTCGCTGGAA-TTTTTTGGAAGACATCTCTCCTCAGTGAGCTCATGAGGTT	1532
DB	1441	GCACTGTTTCGCTGGAACTTTTGAAGACATCTCTCCTCAGTGAGCTCATGAGGTT	1500
QY	1533	TTCAATTTTATCTTCTTCCAAAGTGCTGTATCTCTGAAACGAGGTTAGAGTGCCGC	1592
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RESULT 6
US-09-417-197-70
; Sequence 70, Application US/09417197
; Patent No. 6518021
; GENERAL INFORMATION:
; APPLICANT: Ole THASTRUP, et al.
; TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An
; FILE REFERENCE: 3759-0110P
; CURRENT APPLICATION NUMBER: US/09/417,197
; CURRENT FILING DATE: 1999-10-07
; NUMBER OF SEQ ID NOS: 143
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 70
; LENGTH: 2181
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PKB-EGFP fusion
; NAME/KEY: CDS
; LOCATION: (1)..(2178)
US-09-417-197-70

Query Match 10.6%; Score 252; DB 4; Length 2181;
Best Local Similarity 57.2%; Pred. No. 6.2e-57;
Matches 519; Conservative 0; Mismatches 380; Indels 9; Gaps 3;
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Db 922 ACCTTTTCGGGCAACCTGAGTACTGCTGCCCCGAGGTGCTGGAGGAATGACTACGGC 981
Qy 868 AGGACTGTGAGTGTGCTGGGAGCTGTCTTGTATGAGATGCTGTATGGGCTGCCG 927
Db 982 CGTGCAGTGGACTGTGTGGGGCTGGCGTGCTCATGTACGAGATGATGTGGGTGGCTG 1041
Qy 928 CTTTATAGCCGAAACACAGCTGAAATGTACAGCAACATTTGAAACAGCCTCTCCAG 987
Db 1042 CCTTCTACACAGGACCATGAGAAGCTTTTGTAGCTCATCTCATGGAGGAGATCCGC 1101
Qy 988 CTGAAACCAATATTACAAATTCGCAAGACACCTCTCGAGGCGCTCCTCGAAGGAC 1047
Db 1102 TTCCCGGCGACGCTTGTCGCGAGGCCAAGTCTTGTCTTCAGGCGTCTCAAGAGAC 1161
Qy 1048 AGGACAAAGCGGCT--CGGGGCCAAGGATGACTTTCATGGAGATTAAAGATTCATGCTTC 1104
Db 1162 CCCAAGCAGAGGCTTGGCGGGGCTCCGAGGACGCCAAGAGATCATGCAATCGCTTC 1221
Qy 1105 TTCTCTTAATTAATCTGGGATGATCTCAATTAAGAGATTAATCTCCCTTTTAAACCA 1164
Db 1222 TTTCCGGGTATCGTGTGGCAGCAGCTGTACGAGAAGAGCTCAGCCCCACCTTCAAGGCC 1281
Qy 1165 AATGTGATGGGCCCAAGAGCTACGGCACTTTTGACCCCGAGTTTACCGAGAGCGCTGC 1224
Db 1282 CAGGTACGTCGGAGACTGACACCAAGGTATTTTGTATGAGGAGTTTACGGGCCCATGATC 1341
Qy 1225 CCCAACTC 1232
Db 1342 ACCATCAC 1349

RESULT 7

US-09-417-197-138
; Sequence 138, Application US/09417197
; Patent No. 6518021
; GENERAL INFORMATION:
; APPLICANT: Ole THASTRUP, et al.
; TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
; TITLE OF INVENTION: On A Cellular Response
; FILE REFERENCE: 3759-0110P
; CURRENT APPLICATION NUMBER: US/09/417,197

; CURRENT FILING DATE: 1999-10-07
; NUMBER OF SEQ ID NOS: 143
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 138
; LENGTH: 2184
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: EGFP-PXB fusion
; NAME/KEY: CDS
; LOCATION: (1)..(2181)
US-09-417-197-138

Query Match 10.6%; Score 252; DB 4; Length 2184;

Best Local Similarity 57.2%; Pred. No. 6.2e-57;
Matches 519; Conservative 0; Mismatches 380; Indels 9; Gaps 3;

Qy 331 GACTTTTCACTTCTTTGAAAGTGATCGGAAAGGCGAGTTTTCGAAAGGTTCCTTAGCAAGA 390
Db 1186 GAGTTTGAGTACCTGAAAGTGTGGGCAAGGGCACTTTCGCAAGGTGATCCTGGTGAAG 1245
Qy 391 CACAAGCAGAAAGTGTCTATGCAAGTCAAAAGTTTTCAGAGAAAGCAATCCTGAAA 450
Db 1246 GAGAAGGCCACAGCGCGCTACTAGCCATGAAGATCCTCAAGAAGGAAGTCACTCGTGCC 1305
Qy 451 AAGAAGAGAGAGAGCAATATTATGTGGAGCGGAATGTTCTGTTGAAGAATGTGAAGCAC 510
Db 1306 AAGGACAGGTGGGCCACACACTCACCGA--GAAACCGCGTCTTCGAGAACTCCAGGCAC 1362
Qy 511 CCTTCTCTGTGGGCGCTTCACTTCTTTCAGACTGCTGACAAATTTGTACTTTGTCTTA 570
Db 1363 CCCTTCTCTACAGCCCTGAAGTACTCTTTCAGACCCACACACCGCCTCTGTTTGTCTATG 1422
Qy 571 GACTACATTAATGTGTGAGAGTGTCTTCTACATCTCCAGAGGGAACGCTGTTCTCTGAA 630
Db 1423 GAGTACGCCAACGCGGGCGAGCTGTTCTTCCACCTGTCGCGGGAACGCTGTGTTCTCCGAG 1482
Qy 631 CCAGGCGCTCGTTTCTATGCTGTGAAATAGCCAGTGCCTTGGGCTACCTGCAATTC--A 687
Db 1483 GACCGGCGCGCTTCTATGGCGCTGAGATTGTGTCAGCCCTGGGACTACCTGCACTCCGAG 1542
Qy 688 CTGAACATCGTTTATAGAGACTTAAACCAAGAGAAATTTTGTAGATTTCACAGGACAC 747
Db 1543 AAGAACGTGTGTACCGGACCTCAAGCTGGAGAACCTCATGCTGGACAGGACGGGCAC 1602
Qy 748 ATTGTCTTACTGATTTTCGAGCTCTGCAAGGAGAACTTGAACAACAACAGACAAACATCC 807
Db 1603 ATTAAGATCAAGACTTCGGGCTGTGCAAGAGGGGATCAAGGACGGTGCACCATGAAG 1662
Qy 808 ACCTTCTGTGGCAGCGCGAGTATCTCGACCTGAGGTGCTTCTATAGCAGCCTTATGAC 867
Db 1663 ACCTTTTTCGCGCACACCTGAGTACTTGGCCCCCGAGGTGCTGGAGGACAAATGACTACGGC 1722
Qy 868 AGGACTGTGAGTGTGCTGCTGGGAGCTGTCTTGTATGAGATGCTGTATGGGCTTCGCG 927
Db 1723 CGTGCAGTGGACTGTGTGGGGCTGGGGTGCTGTATGACGATGATGTCGGTTCGCTG 1782
Qy 928 CTTTATAGCCGAAACACAGCTGAAATGTACGACAACTTCTGAACAACATTTCTGAACAGCCTCTCCAG 987
Db 1783 CCTTCTACAAACACAGGACCATGAGAAGCTTTTGTAGCTCATCTCATGGAGGAGATCCGC 1842
Qy 988 CTGAAACCAATATTACAAATTCGCAAGACACCTCTCGAGGCGCTCCTCGAAGGAC 1047
Db 1843 TTCCCGGCGACGCTTGGTTCGAGGCCAAGTCTTGTGCTTTTTCAGGGCTGCTCAAGAGGAC 1902
Qy 1048 AGGACAAAGCGGCT--CGGGGCCAAGGATGACTTTCATGGAGATTAAAGATTCATGCTTC 1104
Db 1903 CCCAAGCAGAGGCTTGGCGGGGCTCCGAGAACCCCAAGAGATCATGACGATCGCTTC 1962
Qy 1105 TTCTCTTAATTAATCTGGGATGATCTCAATTAAGAAGATTTACTCCCTTTTAAACCA 1164
Db 1963 TTTCCGGGTATCGTGTGGCAGCAGCTGTACGAGAGAGGCTCAGCCCCACCTTCAAGGCC 2022

QY 1165 AATGTAGTGGCCCAACAGAGTACGGCACTTTTGACCCCGAGTTTACCGAAGAGCTGTC 1224
|||
Db 2023 CAGGTCACTGGAGAGTACACACAGGTATTTGATGAGAGTTACGGCCCGATGATC 2082
|||
QY 1225 CCCAACTC 1232
|||
Db 2083 ACCATCAC 2090
|||

RESULT 8

US-09-212-771-1
; Sequence 1, Application US/09212771
; Patent No. 5958773
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF AKT-1 EXPRESSION
; FILE REFERENCE: KTS-0034
; CURRENT APPLICATION NUMBER: US/09/212,771
; CURRENT FILING DATE: 1998-12-16
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 2610
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (199)..(1641)
US-09-212-771-1

Query Match 10.6%; Score 252; DB 2; Length 2610;
Best Local Similarity 57.2%; Pred. No. 6.9e-57;
Matches 519; Conservative 0; Mismatches 380; Indels 9; Gaps 3;
QY 331 GACTTTCATCTTCAAAGTGTATCGAAAGGCGAGTTTGGAAAGTTCTTCTAGCAAGA 390
|||
Db 643 GAGTTTGAGTACCTGAAGCTGCTGGGCAAGGCGACTTTCCGCAAGGTGATCCTGTGAAG 702
|||
QY 391 CACAGGCGAGAAAGTGTCTATGAGTCAAGTGTTCAGAGAAAGCAATCCTGAAA 450
|||
Db 703 GAGAGGCCACAGGCGGCTACTACGCCATGAGATCTCAAGAGGAAGTCACTGTGGCC 762
|||
QY 451 AAGAAAGGAGAAACATATTATGTCGGAGCGGAATGTTCTTGAAGAATGTGAAGCAC 510
|||
Db 763 AAGACGAGGTGGCCCAACACACTCACCGA---GAACCGGCTCCTGCAGAACTCCAGGCAC 819
|||
QY 511 CCTTTCCTGGTGGGCTTCACTTCTTTCCAGACTGCTGACAAATTTGATCTTGTCTTA 570
|||
Db 820 CCTTTCCTCAGCGCCCTGAAGTACTCTTTCCAGACCCAGCCGCTCTGTCTTGTCTATG 879
|||
QY 571 GACTACATTAATGTGTGAGAGTGTCTTACCATCTCCAGAGGAAACGCTGCTTCTGGA 630
|||
Db 880 GAGTACGCCAACGGGGCGAGCTGTCTTCCACCTGTCCCGGAACGTTGTCTTCCGAG 939
|||
QY 631 CCACGGGCTGTTCTATGCTGCTGAATAGCAGTGCCTTTGGGCTACTGCAATTC---A 687
|||
Db 940 GACCGGGCCGCTTATATGGGCTGAGATTGTGTCAGCCCTGGACTACTGCACTCGGAG 999
|||
QY 688 CTGAACATCGTTTATAGAGACTTAAACACAGAGATATTTTGTAGATTCAAGGACAC 747
|||
Db 1000 AAGAACGTTGTACCGGAGCTCAAGCTGGAGAACCTCATGCTGGACAGGACGGGCAC 1059
|||
QY 748 ATTGTCTTACTGATTTTCGGACTCTGCAAGGAGAACATTTGAACACACAGCACACATCC 807
|||
Db 1060 ATTAAGATCAGAGCTTCGGCTGTGCAAGGAGGGATCAAGGCGGTGCCACCATGAG 1119
|||
QY 808 ACCTTCTGTGCAACCGCGAGTATCTCGCACTGAGGTGCTTCAATGAACACCTTATGAC 867
|||
Db 1120 ACCTTTGCGGCACACCTTGAGTACCTGGCCCGGAGGTGCTGGAGGACAAATGACTACGC 1179
|||
QY 868 AGGACTGTGAGTGTGGGCTGGAGCTGTCTGTATGATGATGCTGTATGGCTCGCG 927
|||

Db 1180 CGTGCAGTGGACTGCTGGGGGCTGGCGCTGTGTCTATGTACGAGATGATGTGCGTGCCTTG 1239
|||
QY 928 CCTTTTATAGCCGAAACACAGCTCAATGTATGACCAACATTTCTGAACAAGCCTCTCCAG 987
|||
Db 1240 CCTTCTTCAACACGAGCATGAGAAAGCTTTTGTAGCTCATCTCATGAGAGAGATCCGC 1299
|||
QY 988 CTGAACCAAAATATTACAAATTTCCCAAGACACCTCTCTGGAGGGCTCTCTGAGAAAGGAC 1047
|||
Db 1300 TTCCCGCGCACGCTTGTGTCCTCCGAGGCCAAGTCTTGTCTTTCAGGGCTGCTCAGAAAGAC 1359
|||
QY 1048 AGGACAAAGCGGCT---CGGGCCAAAGGATGATCTTTCATGGAGATTAAGAGTCACTGTCTTC 1104
|||
Db 1360 CCCAAGCAGAGGCTTGGCGGGGCTCCGAGGACGCCAAGGAGATCATGTCAGCATCGCTTC 1419
|||
QY 1105 TTCTCTTAATTAAGTGGATGATCTCATTAATAAGAAGATTACTCCCCCTTTTAAACCA 1164
|||
Db 1420 TTTGCCGTATGCTGTGGCAGCAGTGTACGAGAAAGAGCTCAGCCCACTTTCAGGCC 1479
|||
QY 1165 AATGTAGTGGGCCCAACGAGCTACGGCACTTTGACCCCGAGTTTACCGAAGAGCTGTC 1224
|||
Db 1480 CAGGTCACTGGAGACTGACACCAAGGTATTTTGTAGAGAGTTTCACGCCACGATGATC 1539
|||
QY 1225 CCCAACTC 1232
|||
Db 1540 ACCATCAC 1547
|||

RESULT 9

US-09-091-058-1
; Sequence 1, Application US/09091058
; Patent No. 6054285
; GENERAL INFORMATION:
; APPLICANT: Hemmings, Brian A.
; APPLICANT: Frech, Matthias
; TITLE OF INVENTION: Screening Method
; FILE REFERENCE: 4-20683/A/20684/PCT
; CURRENT APPLICATION NUMBER: US/09/091,058
; CURRENT FILING DATE: 1998-06-10
; EARLIER APPLICATION NUMBER: PCT/EP96/04814
; EARLIER FILING DATE: 1996-11-05
; EARLIER APPLICATION NUMBER: 9525703.6
; EARLIER FILING DATE: 1995-12-15
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2610
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (199)..(1641)
US-09-091-058-1

Query Match 10.6%; Score 252; DB 3; Length 2610;
Best Local Similarity 57.2%; Pred. No. 6.9e-57;
Matches 519; Conservative 0; Mismatches 380; Indels 9; Gaps 3;
QY 331 GACTTTCATCTTCAAAGTGTATCGAAAGGCGAGTTTGGAAAGTTCTTCTAGCAAGA 390
|||
Db 643 GAGTTTGAGTACCTGAAGTGTCTGGGCAAGGCGACTTTCCGCAAGGTGATCCTGTGAAG 702
|||
QY 391 CACAGGCGAGAAAGTGTCTTATGAGTCAAGTGTTCAGAGAAAGCAATCCTGAAA 450
|||
Db 703 GAGAGGCCACAGGCGGCTACTACGCCATGAGATCTCAAGAGGAAGTCACTGTGGCC 762
|||
QY 451 AAGAAAGGAGAAAGCATATTATGTCGGAGCGGAATGTTCTGTGTAAGAATGTGAAGCAC 510
|||
Db 763 AAGACGAGGTGGGCCACACACTCACCGA---GAACCGGCTCCTGCAGAACTCCAGGCAC 819
|||
QY 511 CCTTTCCTGGTGGGCTTCACTTCTTCCAGACTGCTGACAAATTTGATCTTGTCTTA 570
|||
Db 820 CCTTTCCTCAGCGCCCTGAAGTACTCTTTCCAGACCCAGCCGCTCTGTCTTGTCTATG 879
|||

QY 571 GACTACATTAAATGCTGAGAGTTGTTCTACCACTCCAGAGGAAACGCTGTTCTCGAA 630
Db |||||
QY 880 GAGTACCCACCGGGGCGAGCTGTTCTTCCACTGCTCCCGGAAACGTTGTTCTCGAG 939
Db |||||
QY 631 CCA CGGCTCGTTTCTATGCTGCTGAAATACCCAGTGCCTTGGGCTACCTGCAATTC--A 687
Db |||||
QY 940 GACCGGCGCGCTTCTATGCGCTGAGATTGTGTCAGCCCTGGACTACCTGCACTCGAG 999
QY 688 CTGAACATCGTTTATAGACCTTAAACACAGAGAAATATTTGCTAGATTCACAGGACAC 747
Db |||||
QY 1000 AAGAACGTGTGTACCGGACCTCAAGCTGAGAACTCATGCTGGACAAAGGACGGGAC 1059
QY 748 ATTGTCCTTACTGATTCGAGCTCTGCAAGAGAACTTGAACACACACACACATCC 807
Db |||||
QY 1060 ATTAAGATCAAGACTTCGGGCTGTGCAAGAGGGGATCAAGACGCTGCCCATGAAG 1119
QY 808 ACCTTCTGTGGCGCGGAGTATCTGCGACCTGAGGTCTTCTATAGAGCTTATGAC 867
Db |||||
QY 1120 ACCTTTTGGCGCACACCTGAGTACCTGGCGCTGGCGTGTATGTACGAGATGATGCGGCTG 1179
QY 868 AGGACTGTGAGCTGTGGTGCCTGGGAGCTGTCTTGTATGAGATGCTGTATGGCTCCCG 927
Db |||||
QY 1180 CGTGCAGTGCAGTGTGGGCGCTGGGCGTGTGTATGACAGATGATGCGGCTGCTG 1239
QY 928 CCTTTTATAGCGAAACACAGCTGAAATGTACACAACTTCTGAACAAAGCCTCTCCAG 987
Db |||||
QY 1240 CCCTTCTACACAGGACCATGAGAGCTTTTGTAGCTATCTCATGGAGGATCCGC 1299
QY 988 CTGAAACCAATATTACAAATTCGCAAGACACCTCTCGAGGCGCTCTCTGCAAGGAC 1047
Db |||||
QY 1300 TTCCCGGCGCGCTTGTGTCGAGGCCAAGTCTCTGCTTTTCAGGGCTGCTCAAGAGGAC 1359
QY 1048 AGGACAAAGCGCT--CGGGGCAAGATGACTTCTATGAGATTAAGTATGCTTTC 1104
Db |||||
QY 1360 CCAAGCAGAGGCTTGGCGGGCTCCGAGAGCGCCAAAGAGATCATGCAAGCATCGCTTC 1419
QY 1105 TTCTCCTTAATTAACCTGGGATGATCTCAATTAAGAAGATTAATCTCCCTTTTAAGCCA 1164
Db |||||
QY 1420 TTTGCGGATGCTGTGCGAGCAGCTGTACGAGAGAGGCTCAGCCACCTTCAAGCCC 1479
QY 1165 AATGTAGTGGGCGCAACGAGCTACGGCATCTTGACCCCGAGTTTACGAAAGCCTGTC 1224
Db |||||
QY 1480 CAGGTACGCTCGGAGACTGACACCAGGTATTTTGTAGGAGGTTTACGGCCGAGATGATC 1539
QY 1225 CCNACTC 1232
Db |||||
QY 1540 ACCATCAC 1547

RESULT 10

US-09-023-655-1206
; Sequence 1206, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION: DATA:
; PRIOR APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1206:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2610 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g190827
; US-09-023-655-1206

Query Match 10.6%; Score 252; DB 4; Length 2610;

Best Local Similarity 57.2%; Pred. No. 6.9e-57;
Matches 519; Conservative 0; Mismatches 380; Indels 9; Gaps 3;

QY 331 GACTTTCACCTTCTTGAAGTGTATCGGAAAGGGCAGTGTGGAAGGTTCTTCTAGCAAGA 390
Db |||||
QY 643 GAGTTTGAGTACCTGAGCTGTGGCAAGGGCACITTCGCAAGGTGATCCTTGTGAAG 702
QY 391 CACAAGCAGAGAGTGTCTATGAGTCAAGTCTTTCAGAGAAAGCAATCTCTGAAA 450
Db |||||
QY 703 GAGAAGGCCACAGCGCGCTACTACGCCATGAAGATCCTCAAGAGGAAGTCACTGTGGCC 762
QY 451 AAGAGAGAGGAGAGCATATTATGTCGGAGCGGAAATGTTCTGTTGAAGATGTGAAGCAC 510
Db |||||
QY 763 AAGAGCAGGTGGCGCCACACACTCACCGA--GAA CGCGCTCTGCAAGAACTCCAGGAC 819
QY 511 CCTTTCCTGTGGCGCTTCACTTCTCTTCCAGACTGCTGACAAATTTGATTTTGTCTTA 570
Db |||||
QY 820 CCCTTCTCACAGCCCTGAGTACTCTTTCAGACCCACGACCGCTCTGCTTGTCTATG 879
QY 571 GACTACATTAATGCTGAGAGTGTCTTACATCTCCAGAGGAAACGCTGCTTCTCGAA 630
Db |||||
QY 880 GAGTACGCCAACCGGGGCGAGCTGTTCTCCACCTGTCCCGGAAACGTTGTTCTCCGAG 939
QY 631 CCACGGGCTGTTTCTATGCTGTAATAGCCAGTGCCTTGGCTACCTGCAATTC--A 687
Db |||||
QY 940 GACCGGCGCGCTTCTATGCGCTGAGATTGTGTAGCCCTGAGACTACCTGCACTCGAG 999
QY 688 CTGAACATCGTTTATAGACTTTAAACACAGAGAAATATTTTGTAGATTCACAGGACAC 747
Db |||||
QY 1000 AAGAACGTGTGTACCGGACCTCAAGCTGAGAGACCTCATGCTGCAAGAGGACGGGAC 1059
QY 748 ATTGTCCTTACTGATTCGAGCTCTGCAAGAGAACTTGAACACACACACACATCC 807
Db |||||
QY 1060 ATTAAGATCAAGACTTCGGGCTGTGCAAGAGGGGATCAAGACGCTGCGCCATGAAG 1119
QY 808 ACCTTCTGTGGCGCGGAGTATCTGCACTGAGTGCCTTCTATAGAGCCTTATGAC 867
Db |||||
QY 1120 ACCTTTTGGCGCACACTGAGTACCTGGGCGCGGAGGTGAGGGAATGACTACGGC 1179
QY 868 AGGACTGTGAGCTGTGGTGCCTGGGAGCTGTCTTGTATGAGATGCTGTATGGCTCCCG 927
Db |||||
QY 1180 CGTGCAGTGCAGTGTGGGCGCTGGGCGTGTGTATGACAGATGATGCGGCTGCTG 1239
QY 928 CCTTTTATAGCGGAAACACAGCTGAAATGTACGAAACATTTCTGAACAAAGCCTCTCCAG 987
Db |||||
QY 1240 CCCTTCTACAAACCGAGACCATGAGAGCTTTTGTAGCTATCTCATGGAGGATCCGC 1299

Qy	988	CTGAACCAATATTACAANTTCGGCAAGACACCTCTCTGGAGGSCCTCTGCAGAAGGAC	1047
Db	1300	TTCCCGCGCAGCTTGGTCCCGAGGCCAAGTCTTGTCTTTTCAGGGCTGCTCAGAAGGAC	1359
Qy	1048	AGGACAAAGCGGCT--CGGGGCCAAAGATGACTTTCATGAGATTAAGAGTTCATGCTCTTC	1104
Db	1360	CCCAAGCAGAGGCTTGGCGGGGGCTCCGAGACGCCAAGGATCATGCGACATCGCTTC	1419
Qy	1105	TTCTCTTAATAACTGGATGATCTCATTAAATAAGAAGATTACTCCCTCTTTTAAACCCA	1164
Db	1420	TTTTCGGGTATCTGTGTGGCAGCAGTGTCGAGAAGAAGCTCAGCCACCCTTCAAGCCC	1479
Qy	1165	AATGTGATGGGCCCAAGAGCTACGCACTTTGACCCCGAGTTTACGAGAGCCTGTC	1224
Db	1480	CAGTTCAGTCGGAGACTGACACAGGATATTTTGATGAGGAGTTCACGGCCCAAGATGATC	1539
Qy	1225	CCCAACTC	1232
Db	1540	ACCATCAC	1547

RESULT 17

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US-09-023-655-1361
; Sequence 1361, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seillhammer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENOME
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENOME
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
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Query Match 10.6%; Score 250.6; DB 4; Length 3321;
Best Local Similarity 56.4%; Pred. No. 1.8e-56;
Matches 488; Conservative 0; Mismatches 374; Indels 3;

RESULT 12

```

RESULT 12
US-09-256-465-1
; Sequence 1, Application US/09256465
; Patent No. 6043090
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF AKT-2 EXPRESSION
; FILE REFERENCE: RTS-0035
; CURRENT APPLICATION NUMBER: US/09/256.465
; CURRENT FILING DATE: 1999-02-23

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; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 1599
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (88)..(1533)
US-09-256-465-1

Query Match 10.3%; Score 245.2; DB 3; Length 1599;
Best Local Similarity 55.5%; Pred. No. 3.4e-55;
Matches 516; Conservative 0; Mismatches 408; Indels 6; Gaps 2;

QY	330	TGACTTTTCACTTTTGAAGTATCGAAGGGCAGTTTGGAAAGTCTTTCTAGCAAG	389
DB	537	TGACTTTGCACTATCTCAAACTCTTGGCAAGGAACCTTTGGCAAGTCTCTGGTGG	596
QY	390	ACACAAGGCGAAGAGTGTCTATGCACTCAAGTCTTACAGAAAGAAATCTCTGAA	449
DB	597	GGAGAAGCCACTGGCGCTACTACGCCATGAAGTCTCGAAGGAAGTCAATTC	656
QY	450	AAAGAAGAGGAGAGATATATGTCGAGCGGAATGTTCTGTGAAGATGTGAAGCA	509
DB	657	CAAGATGAAGTCTGCTACACAGTCAACGAGCGGGTCTCCAGAACACC---AGGCA	713
QY	510	CCCTTTCTGGTGGCTTCACTTCTCTTTCCAGACTGCTGACAAATTTGTTCTCT	569
DB	714	CCGCTTCTCACTCGCTGAGTATGCTCTCCAGACCCACGCGCTGTGCTTTGAT	773
QY	570	AGACTACATTAATGGTGGAGAGTGTCTTACCATCTCCAGAGGGAACGCTTCTTGA	629
DB	774	GGAGTATGCCAACGGGGTGAGCTGTCTTCCACTGTCCGGAGCGTGTCTTCAGA	833
QY	630	ACCACGGGCTCGTTTCTATGCTGTGAAATAGCCAGTGCCTTGGGCTACCTGCAT	689
DB	834	GGAGCGGGCCGGTTTTATGTCGAGAGATGTCTCGGCTCTTGAGTACTTGCAC	893
QY	690	GACATCGTTTATAGACTTTAAACCCAGAGATATTTTGTAGATTCACAGGACAT	749
DB	894	GGACGTGGTATACCGCGACATCAAGCTGGAAACCTCATGTGCAACAAAGATGCC	953
QY	750	TGCTCTTACTGATTTGGACTCTCAAGAGGAACATTTGAACACACAGCAACATCC	809
DB	954	CAAGATCACTGACTTTTGGCTCTCAAGAGGCAATCAGTACGGGGCCACATGA	1013
QY	810	CTTCTGTGGACCGCGAGTATCTCGACCTGAGTGTCTTCAATAGACGCTTATGAC	869
DB	1014	CTTCTGTGGACCGCGAGTATCTGGCGCTGAGGTGCTGGAGGCAATGACTATG	1073
QY	870	GACTGTGACTGGTGTGCTGGAGCTGTCTTGTATGAGATGCTGTATGGCTTGC	929
DB	1074	GGCGTGGACTGGTGGGGCTGGGTGTGGTCACTACGAGATGATGTGGCGCGCT	1133
QY	930	TTTTTATAGCCGAACACAGCTGAAATGTACGACAACTTCTGAACAGCCTCTCC	989
DB	1134	CTTCTCAACACAGACACAGAGCGCTCTTCGAGCTATCTCATGAGAGATCCG	1193
QY	990	GAACCAAAATTAATAATTCGCAAGACACTCTCGAGGGGCTCTCTGCAAGAGG	1049
DB	1194	CCCGCGACGCTCAGCCCGAGGCGAAGTCTCTGCTGGTCTGCTTGAAGAGG	1253
QY	1050	GACAAAGCGGT---CGGGCCAGAGATGATCTCATGAGATTAAGTCAATGCT	1106
DB	1254	CAAGCAGAGGCTTGGTGGGGGGCCAGCGATGCCAAGAGGCTCATGGAGCA	1313
QY	1107	CTCTTAAATTAATCGGATGATCTCATTAATAAGAGATTAATCTCCCTTTTAA	1166
DB	1314	CCTCAGCATCACTGGCAGGAGCTGGTCCAGAGAGAGCTCTTCCACCTTTCAA	1373
QY	1167	TGTAGTGGGCGCCACAGAGTACGCACTTTTGAACCGCGAGTTTACCGAAGG	1226
DB	1374	GTCACGTCCGAGGTCGACACAGAGTACTTCGATGATGAATTTACCGCCAG	1433

QY	1227	CAACTCCATTGGCAAGTCCCTTGACAGCGT	1256
DB	1434	AATCACACCCCTGACCGCTATGACAGCGT	1463

RESULT 13

US-09-167-322-3
; Sequence 3, Application US/09167322
; Patent No. 6365151
; GENERAL INFORMATION:
; APPLICANT: Allegheny University of the Health
; Sciences, Halpern, Michael S.
; England, James M.
; TITLE OF INVENTION: CANCER VACCINE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Gonda, Lavorna & Monaco, P.C.
; STREET: Suite 1800, Two Penn Center Plaza
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/167,322
; FILING DATE: 07-Oct-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/00582
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 7933-33 PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1599 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-167-322-3

Query Match 10.3%; Score 245.2; DB 4; Length 1599;
Best Local Similarity 55.5%; Pred. No. 3.4e-55;
Matches 516; Conservative 0; Mismatches 408; Indels 6; Gaps 2;

QY	330	TGACTTTTCACTTTTGAAGTATCGAAGGGCAGTTTGGAAAGTCTTTCTAGCAAG	389
DB	537	TGACTTGCATATCTCAAACTCTTGGCAAGGAACCTTTGGCAAGTCTCTGGTGG	596
QY	390	ACACAAGGCGAAGAGTGTCTATGCACTCAAGTCTTACAGAAAGAAATCTCTGAA	449
DB	597	GGAGAAGCCACTGGCGCTACTACGCCATGAAGTCTCGAAGGAAGTCAATTC	656
QY	450	AAAGAAGAGGAGAGATATATGTCGAGCGGAATGTTCTGTGAAGATGTGAAGCA	509
DB	657	CAAGATGAAGTCTGCTACACAGTCAACGAGCGGGTCTCCAGAACACC---AGGCA	713
QY	510	CCCTTTCTGGTGGCTTCACTTCTCTTTCCAGACTGCTGACAAATTTGTTCTCT	569
DB	714	CCGCTTCTCACTCGCTGAGTATGCTCTCCAGACCCACGCGCTGTGCTTTGAT	773
QY	570	AGACTACATTAATGGTGGAGAGTGTCTTACCATCTCCAGAGGGAACGCTTCTTGA	629

Db 774 GGAGTATGCCAACGGGGGAGCTGTCTTCCACCTGTCCCGGAGCGGTCTTTCACAGA 833
QY 630 ACCACGGGCTGTTCTTATGCTGAATACCGAGTGTCTGGGCTACCTGCATTCCT 689
Db 834 GGAGCGGGCCGGTTTATGGTGCAGATTTCTCGGCTCTTGAGTCTTGCACTCGCG 893
QY 690 GAACATCGTTTATAGACTTTAAACCCAGAGATATTTTGTAGATTTCACAGGACACAT 749
Db 894 GGACGTGTATACCGGACATCAAGCTGGAAACCTCATGCTGGACAAAGATGGCCACAT 953
QY 750 TGTCTTACTGATTTCGACTCTGAAGAGAACATTGAACAACAGACACAACATCCAC 809
Db 954 CAAGATCACTGACTTGGCTCTGCAAGAGGGCATCACTGACGGGGCCACCATGAAAC 1013
QY 810 CTTCTGTGGCAGCGCGGAGTATCTCGACCTCAGGTGTCTTCAAGCAGCCTTATGACAG 869
Db 1014 CTTCTGTGGACCGGAGTACTTGGCGCTGAGTGTCTGGAGGCAATGACTATGGCG 1073
QY 870 GACTGTGACTGTGTGGCTGGAGCTGTCTTGTATGAGATGTGTATGGCCTCCCGCC 929
Db 1074 GGCCGTGACTGTGTGGGCTGGGTGTGTCTCATGTACGAGATGATGTGGCGCGCTGCC 1133
QY 930 TTTTATAGCGGAACACAGCTGAATGTACGACACATTCTGAACAGCCTTCTCCAGT 989
Db 1134 CTTCTACACAGGACCGAGCGCTCTTGGAGCTCATCTCATGGAAGATCCGCTT 1193
QY 990 GAAACCAATATTACAAATTCGCAAGACACCTCTCGAGGGCTCTCTGCAAGAGCAG 1049
Db 1194 CCGCGCAGCTCAGCCCGGAGCCAGTCTCTGCTGTGGCTGTCTTAAGAGACCC 1253
QY 1050 GACAAAGCGGT---CGGGGCCAAGGATGACTTCATGAGATTAAGAGTCTATGTTCTT 1106
Db 1254 CAAGCAGAGGCTTGGTGGGGGCCCGCAGCGATGCCAAGGAGTCTATGGAGCAGGTTCTT 1313
QY 1107 CTCCTTAATTAAGTGGATGATCTCATTAAGAAGATTAATCTCCCTTTTAAACCCAAA 1166
Db 1314 CTTAGCATCACTGGCAGGAGTGTGTCAGAGAAAGCTCTTCCACACCTTCAAACCTCA 1373
QY 1167 TGTGAGTGGGCCCAACGAGCTACGGCACTTTGACCCCGAGTTTACCGAAGAGCTGTCC 1226
Db 1374 GGTACGTCGAGGTGCGACACAGGTACTTGTATGATGAATTTACCGCCAGTCCATC 1433
QY 1227 CAATCCATTTGGAGTCCCTGACAGGCT 1256
Db 1434 AATCACACCCCTGACCGCTATGACAGCCT 1463

RESULT 14

US-09-023-655-1004
; Sequence 1004, Application US/09023655
; Patent No. 6607879

GENERAL INFORMATION:

; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH

; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1004:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1599 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g178325
; US-09-023-655-1004

Query Match 10.3%; Score 245.2; DB 4; Length 1599;
Best Local Similarity 55.5%; Pred. No. 3.4e-55;

Matches 516; Conservative 0; Mismatches 408; Indels 6; Gaps 2;
QY 330 TGACTTTCACCTTTTGAAGTATCGGAAAGCGGAGTTTGGAAAGTCTTCTTAGCAAG 389
Db 537 TGACTTCGACTATCTCAAACTCTTGGCAAGGAAACCTTTGGCAAGTCACTCTGGTGG 596
QY 390 ACACAAAGCAGAGAAGTGTCTATGCACTCAAGTCTTACAGAGAAAGCAATCTGAA 449
Db 597 GGAGAGGCGCACTGGCCCTACTACGCATCAAGATCTCGAAAGGAAGTCATCATTCG 656
QY 450 AAAGAAAGAGAGAGACATATTATGTCGAGCGGAATTTCTGTGAAGAATGTGAACA 509
Db 657 CAAGATGAATCGCTCACAGTACCGAGAGCGGGTCTCCAGAACAC--AGCA 713
QY 510 CCTTTCTGTGGGCTTCACTCTCTTTCAGAGTCTGACAAATGTATTTGTCTT 569
Db 714 CCGCTTCTCACTCGGTGAAGTATGCTTCAGACCCACGACCGCTGTGCTTGTAT 773
QY 570 AGACTACATTAATGTCGAGAGTGTCTTACATCTCCAGAGGAGACCTGCTTCTGGA 629
Db 774 GGAGTATGCCAGCGGGTGAAGTGTCTTCCACTGTCCGGAGCGGTCTTTCACAGA 833
QY 630 ACCACGGGCTGTTTCTATGCTGTAATAGCAGTGCCTTGGGCTACCTGCATTCCT 689
Db 834 GGAGCGGGCCGGTTTATGTCGAGATTTGTCTCGGCTCTTGAGTACTTGCATCGCG 893
QY 690 GAACATCGTTTATAGACTTTAAACCCAGAGATATTTTGTAGATTTCACAGGACACAT 749
Db 894 GGACGTGTATACCGGACATCAAGCTGGAAACCTCATGTCGACAAAGATGGCCACAT 953
QY 750 TGTCTTACTGATTTCGACTCTGCAAGGAGAACATTGAACAACAGCAGCAACATCCAC 809
Db 954 CAAGATCACTGACTTGGCTCTGCAAGAGGGCATCACTGACGGGGCCACCATGAAAC 1013
QY 810 CTTCTGTGGCAGCGCGGAGTATCTCGACCTCAGGTGTCTTCAAGCAGCCTTATGACAG 869
Db 1014 CTTCTGTGGACCGCGAGTACTTGGCGCTGAGTGTCTGGAGGCAATGACTATGGCG 1073
QY 870 GACTGTGACTGTGTGGCTGGAGCTGTCTTGTATGAGATGTGTATGGCCTCCCGCC 929
Db 1074 GGCCGTGACTGTGTGGGCTGGGTGTGTGTATGATGATGTGTACGAGATGATGTGCGCGCGCTGCC 1133
QY 930 TTTTATAGCGGAACACAGCTGAATGTACGACACATTCTGAACAGCCTTCTCCAGT 989
Db 1134 CTTCTACACAGGACCGAGCGCTTCTTGGAGCTCATCTCATGGAAGATTCGCTT 1193
QY 990 GAAACCAATATTACAAATTCGCAAGACACCTCTCGAGGGCTCTCTGCAAGAGCAG 1049

Db 1194 CCGCGCAGCTCAGCCCGAGGCCAAGTCCCTGCTGTGGCTGCTTAAAGAGACC 1253
QY 1050 GACAAAGCGCT---CGGGGCAAGATGACTTTCATGGAGATTAGAGTCATGTTCTT 1106
Db 1254 CAAGCAGAGGCTTGTGGGGGCCCCAGCGATGCCAAGAGGTCATGGAGCACAGGTTCTT 1313
QY 1107 CTCCTTAATTAACTGGGATGATCTCATTAAATAAGAGATTACTCCGCCCTTTTAAACCCAAA 1166
Db 1314 CCTCAGCATCACTGGCAGGAGTGGTCCAGAGAGCTCTCGCCACCTTCAAACTCA 1373
QY 1167 TGTAGTGGGCCCAACGAGCTACGGCATTTGACCCCGAGTTTACGAGAGCCTGTCCC 1226
Db 1374 GGTCACTCCGAGTTCGACACAAGGTACTTCGATGATGAATTTACGCCCCAGTCCATCAC 1433
QY 1227 CAACTCCATTGGCAAGTCCCTGACAGCT 1256
Db 1434 AATCACACCCCTGACCGCTATGACAGCT 1463

RESULT 15
US-09-225-749-24
; Sequence 24, Application US/09225749
; Patent No. 6300320
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: McKay, Robert, A.
; TITLE OF INVENTION: Modulation of c-jun using inhibitors of protein kinase C
; FILE REFERENCE: ISIS3313
; CURRENT APPLICATION NUMBER: US/09/225,749
; CURRENT FILING DATE: 1999-01-05
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 2245
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (28)..(2046)
; PUBLICATION INFORMATION:
; JOURNAL: Nucleic Acids Res.
; VOLUME: 18
; ISSUE: 8
; PAGES: 2183
; DATE: 1990-04-25
; DATABASE ACCESSION NUMBER: X52479/Genbank
; DATABASE ENTRY DATE: 1993-09-12
US-09-225-749-24

Query Match 10.1%; Score 239.4; DB 4; Length 2245;
Best Local Similarity 54.8%; Pred. No. 1.4e-53;
Matches 496; Conservative 0; Mismatches 406; Indels 3; Gaps 1;
QY 274 AGTCCTCTCAGCAATCAACCTTGGCCCGTGTCCCAATCTCATGCTAAACCATCTGAC 333
Db 982 AGTCCTCTGAAGCAGGAAACAACCTTCCAACACCTTGACCGAGTGAACCTCAGGAC 1041
QY 334 TTTCACCTCTTGAAGTGAATCGGAAAGCGAGTTTGGAAAGGTTCTTCTAGCAAGAC 393
Db 1042 TTCAATTTCTCATGTTGTGGAAAGGGAGTTTGGAAAGGTTGATGCTTGGCCAGG 1101
QY 394 AAGGCAGAGAAGTCTTATGTCAGTCAAGTTTACAGAGAAAGCAATCTTGAAAGAG 453
Db 1102 AAGGCACAGAAAGCACTGATGCAATCAAAATCTTGAAGAGGATGTGGTGAATCAGGAT 1161
QY 454 AAAGAGGAGAAGCATATTATGTCGAGCGGAATGTTCTGTTGAAGAAATGTAAGCACCT 513
Db 1162 GATGAGTGGAGTGACCATGGTAGAAAGCGAGTCTTGGCCCTGCTTGACAAACCCCG 1221
QY 514 TTCCTGTTGGGCTTTCATCTCTTTCCAGACTGCTGACAAATGTACTTTGTCTAGAC 573
Db 1222 TTCCTGAGCGAGTCACTCTCTCTCCAGACAGTGGATCGGCTGTAATCTCGTCATGGA 1281

QY 574 TACATTAATGTGGAGAGTTGTTTACCATCTCCAGAGGAGACGCTGCTTCTCTGGAACA 633
Db 1282 TATGTCAACGGTGGGACCTCATGTACCACATTCAGCAAGTAGGAAAATTTAAGGAACA 1341
QY 634 CGGGCTCGTTTCTATGCTGCTGAATAGCCAGTGCCTTGGGCTACCTGCAATTCACCTGAAC 693
Db 1342 CAAGCAGATTCTATGCGCGCAGAGATTTCCTCGAATTTGTTCTTTCATAAAGAGGA 1401
QY 694 ATCGTTTATAGAGACTTAAACCAGAGAAATATTTTGTAGATTCACAGGACACATTTGTC 753
Db 1402 ATCATTTATAGGGATCTCAAGTTAGATAACGTCATGTTGGATTTCAGAAAGACATATCAA 1461
QY 754 CTTACTGATTTCCGACTCTGCAAGGAGAACTTGAACAACAAGACACATCCACCTTC 813
Db 1462 ATGCTGACTTTGGGATGTCAAGGAAACACATGATGGATGGAGTCAACGACGAGGACCTTC 1521
QY 814 TGTGCAACGCGGAGTATCTCGCACCTGAGGTGCTTTCATAAGCAGCCTTATGACAGGACT 873
Db 1522 TGTGGACTCCAGATTATATGCCCCAGAGATAATCGCTTATCAGCCGTATGGAAATCT 1581
QY 874 GTGACTGTTGCTGGAGCTGTCTTGTATGAGATGCTGTATGGCTGCGCTTTC 933
Db 1582 GTGACTGTTGCTGATGGCTGCTGTGTATGAAATGCTTGCAGGAGGCTTCAATTT 1641
QY 934 TATAGCCGAAACACAGCTGAAATGTACGACAACTTCTGAACAAGCCTCTCCAGCTGAAA 993
Db 1642 GATGTGAAGATGAAGACGACTATTTCACTCTATCATGGAGCAACAGTTTCTTATCCA 1701
QY 994 CCAATATTAACAAATTTCCGCAAGACACCTCTCGAGGAGGCTTCTCGAAGAGCAGGACA 1053
Db 1702 AAATCCTTGTCCAAGGAGGCTGTTTCTATCTGCAAGAGACTGATGACCAACACCCAGCC 1761
QY 1054 AAGCGGCT---CGGGGCCAAGAGTACTTTCATGAGATTAAGAGTATGTTCTTCTTC 1110
Db 1762 AAGCGGCTGGGCTGTGGGCTGAGGGGAGAGGACGCTGAGAGAGCATGCTTCTTCGG 1821
QY 1111 TTAATTAACGAGTATCTCATTAATAAGAGATTAATCTCCCTTTTAAACCAATGTG 1170
Db 1822 AGGATCGACTGGGAAAAAACTGGAGAACAGGAGATCCAGCCACCATTCAGGCCCAAATGTG 1881
QY 1171 AGTGG 1175
Db 1882 TGTGG 1886

Search completed: September 18, 2004, 20:50:05
Job time : 185 secs

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